CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Apartment hotel, Montreal, Que., E. E. Workman, plans, $7,000,000.

Hall of records, Camden, N. J., Bd. Comrs., sketches, $6,000,000.

Bank and office, New York, N. Y., American Exchange-Irving Trust Co., plans, $5,000,000.

Office, Milwaukee, Wis., Northwestern Mutual Life Insurance Co., $3,000,000.

Apartment, New York, N. Y., Kingsbridge Improvement Corp., plans, $3,000,000.

Hospital and nurses home, York, Pa., Ballinger Co., archt., Phila., take bids late in August for owner, $1,500,000.

Bridge, Seattle, Wash., plans, $1,500,000.

Club and hotel, New York, N. Y., Club Hotel Corp. of New York, plans, $1,300,000.

Railway, Alabama, Louisville & Nashville R.R. Co., plans, $1,250,000.

Apartment, Jersey City, N. J., C. Zerman, sketches, $1,000,000.

Roads, Ft. Worth, Tex., plans expending $1,000,000.

Apartment, Los Angeles, Calif., Owner c/o R. A. Hill, archt., sketches, $1,000,000.

Bids Desired

Hospital, Los Angeles, Calif., Aug. 27, by Superv. Los Angeles Co., $8,000,000.

Office and garage, San Antonio, Tex., Sept. 1, by J. M. Nix, $1,500,000.

Hotel, New Orleans, La., Sept. 4, by M. H. Goldstein, archt., for American Bank & Trust Co., $1,500,000.

Contracts Awarded

Hotel, Atlantic City, N. J., Rankin & Kellogg, archts, for owners, to Turner Constr. Co., est. $6,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 68.

Railway, Pennsylvania, Pennsylvania R.R. Co., to W. F. Trimble & Sons, Pittsburgh, est. $4,000,000.

Theater, Atlantic City, N. J., Embassy Theater Co., to C. P. Tilton, est., $4,000,000.

Subway, New York, N. Y., Bd. Transportation, to D. C. Serber, $3,160,000.

Office and store, Los Angeles, Calif., Richfield Oil Co., to P. J. Walker Co., $2,500,000.

Engineering, Detroit, Mich., Hupp Motor Car Co., to Everett Winters Co., est. $1,500,000.

Store and loft, San Francisco, Calif., Sears-Roebuck Co., to Scofield Engr. Co., Los Angeles, $1,500,000.

Hotel, Pasadena, Calif., Owner c/o Morston & Maybury, archts., to Orndorff Constr. Co., $1,300,000.

Office and garage, Vancouver, B. C., Syndicate, to Carter-Halls-Aldinger Co., Ltd., $1,200,000.

Hospital, Phila., Pa., Pennsylvania Hospital, to Turner Constr. Co., est., $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

N. J., Beach Haven — Boro of Beach Haven, drilling of well and installation of new equipment for waterworks, $10,000. A. P. King, clk.

Tex., Dallas — City, c/o M. G. James, secy., revised plans 32 m.g.p.d. capacity, purification plant, incl. basins, piping, etc., two 15 m.g.d. turbine driven pumping units complete with all auxiliaries, three 15 m.g.d. motor driven pumping units complete with motors, two 750 kva. turbo-generators complete with all auxiliaries.

Tex., Mercedes—Central Power & Light Co., c/o A. J. Thomas, loc. mgr. Mercedes, enlarging filtration plant to 500,000 g.p.d., 2 new filters and 2 or 3 coagulators, $25,000, also 4- to 6-in. water pipe line (mains), in residential and business districts. $50,000. Private plans. Noted July 26.

Wash., Aberdeen—City Council plans industrial water system on lower Wynooche River. A. M. Torpen, ch. engr.

Wash., Seattle—Plans reservoir for additional water supply, on Sultan River. F. Edwards, mayor.

Bids Desired

N. Y., Long Island City—Aug. 21, by J. J. Dietz, Comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in East Alley Pond Dri., Juniper Pl., Nassau and Woodhaven Blvds., 47th, 50th, East Williston Aves., Totten, 120th, 209th, 266th, 30th, 48th Sts.

N. J., Orange—Bd. City Comrs., City Hall, bids about Aug. 22, 1 and 2 story, 68 x 106 ft. water filteration plant, etc. $100,000. Runyon & Carey, 33 Fulton Newark, engrs. Noted May 17.

Pa., Phila.—Aug. 21, by Dpt. P. Wks., Bureau of Water, high pressure mains, Contr. 929; plumbing for Torresdale Filters, Contr. 938.

Ala., Mobile — Sept. 4, by Bd. Comrs., mains and accessories, for Waterworks Divisions 1, 2 and 3, W. Smith, city engr.; adv. E. N.-R. Aug. 16.

Minn., Hibbing—Water & Light Comn. takes bids about Sept. 15, 2 m.g. rein.-con. reservoir. $30,000. J. C. Taylor, city engr.

Contracts Awarded

Mass., Concord — Bd. Water & Sewer Comrs., pumping equipment for pumping station, to Starkweather & Broadhurst, Inc., 79 Milk St., Boston, $7,000. Noted July 12.

N. Y., Albany—Bd. Water Supply, State St., Basic Creek Tunnel, to H. J. Groves & Sons, 306 Globe Bldg., Minneapolis, Minn. $217,500. Noted Aug. 1.

Pa., Phila. — Dpt. P. Wks., Bureau of Water, Contr. 931, to Acme Machine Co., 27 North 38th St. $13,500—Contr. 933, to P. & A. J. Ellis, 4th and Wyoming Sts., $4,688—Contr. 934, to M. & J. B. McHugh, 892 North Markoe St. $8,819—Contr. 935, to R. D. Wood & Co., 400 Chestnut St. $13,739—Contr. 936, to Keystone Machine & Equip. Co., 618 Widener Bldg. $10,465—and Contr. 937, to A. P. Smith Mfg. Co., 545 North Arlington Ave., East Orange, N. J., $14,970. Grand total $66,181. Noted July 26.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

O., Cincinnati—Comrs. Hamilton Co., 36,590 ft. 6 and 8 in. c.i. mains in Water Supply Line 89, Dists. 1 and 7, to Crimley, Jones & Crumley, Temple Bar Bldg., $79,802. Noted Aug. 9.

O., Cleveland — Comrs. Cuyahoga Co., 5,000 ft. 8 and 12 in. c.i. mains in Wooster Pike (Impvt. 1550), to J. Kahill & Jackson, Triskett Rd., $19,293.

O., Cleveland — Comrs. Cuyahoga Co., 5,200 ft. 6 and 12 in. mains in Bway. Impvt. 950, to E. Cesa, 2462 Baldwin Rd., $17,228—5,500 ft. 8 in. mains Porter Rd. Impvt. 765, to Kassouff & Co., 2600 Althen Ave., $11,635. Noted Aug. 9.

Ind., South Bend—City Clerk, pumping equipment, Contr. 1 to W. H. Cather, 2643 Monroe St., Chicago, Ill. $10,859; well houses, Contr. 2, to Smogor Lumber Co., South Bend, $13,273. Noted May 3.

Minn., St. Paul—K. L. Fiesseler, city purch. agt., 59,400 ft. 6- to 12-in. c.i. pipe, to United States Cast Iron Pipe & Fdry. Co., 625 Plymouth Bldg., Minneapolis. $40,863. Noted June 28.

Neb., Holdrege—For 135,000 gal. rein.-con. reservoir, 32 x 45 ft., to Hultquist Bros., Holdrege, $4,895. Noted June 21.

Neb., Ord—N. Wolters, city clk., water purification plant and mains, to M. N. Constr. Co., Deward, $37,990. Noted July 19.

Mo., St. Louis—Bd. P. Serv., City Hall, floating boom for Chain of Rocks Waterworks Station, to Phillip A. Rohan Boat, Boiler & Tank Co., foot of Marceau St. $7,689; transformer for power sub-station in Civil Courts Bldg., to E. A. Kroeneman Electric Co., 1420 Pine St. $15,990.

Tex., Donna—For extending and improving waterworks to Brooks Constr. Co., Donna. $100,000.

Tex., Quitaque—Mayor, waterworks improvements, incl. 31,000 lin.ft. 2- to 6-in. c.i. pipe, 50,000 gal. reservoir, valves, hydrants, tank and tower, for City, to Panhandle Constr. Co., Lubbock, $42,000. Noted July 12.

Wash., Seattle—Bd. P. Wks., watermains in 42nd Ave. S., to S. Macri, 1236 36th St., South. $37,167.

Sewers

Proposed Work

N. Y., Dunkirk — City soon takes bids intercepting sewer, sewage disposal system, retaining wall along lake, $500,000 or more. F. K. Wing Co., Prudential Bldg., Buffalo, engr.

N. J., Hillside—Twp. Com., Town Hall, preliminary plans storm sewer in North side of Lehigh Valley R.R., $25,000—storm sewer in Brookside Ave., $38,855. C. Luster, 286 North Broad St., Elizabeth, twp. engr.

See proposal advertising on page 142

Constr. News page 81

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

"The World's Playground" has used Leadite with complete satisfaction for over 20 years

ATLANTIC CITY, New Jersey, is proud of its well-paved streets. In laying new or additional cast iron mains, the engineers always use Leadite. They know from the experience of nearly one-quarter of a century that Leadite joints are absolutely secure and that the occasion will not arise where paved streets have to be dug up to repair the line.

In addition to the mains under the paved streets, Leadite was used for jointing the 24" main that runs under the famous boardwalk.

Other lines run through salt marshes, over bridges and under numerous railroad tracks.

The sizes of these mains run from 4" to 48".

Mr. L. Van Gilder is Engineer and Superintendent of the Atlantic City water department.

Added to the security and permanence of Leadite joints there is a saving of 75%.

For its economy—permanence—security—and the speed with which jointing can be finished—Water Works men specify and use Leadite.

Laying 24" c. i. water mains, with Leadite Joints, in Atlantic City under paved street.

Specify and use LEADITE —it saves at least 75%

Be sure it is LEADITE and accept no imitations~~~

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Sewers (Continued)

N. J., Maywood—Bd. Council, Municipal Bldg., sanitary sewers in Colt St., Spring Valley, Paterson, Rutherford, Collinwood and Felter Aves., McClave & McClave, 600 Gorge Rd., Cliffside, boro engrs.

N. C., Charlotte—Plans outfall sewer to take care of eastern section of city. $216,000. W. M. Piatt, Durham, engr.

La., Tallulah—Soon takes bids sanitary sewer, incl. disposal plant, $100,000. H. A. Mentz, Hammond, La., engr.

O., Akron — F. E. Swineford, dir. Pub. Serv., soon takes bids 4,485 ft. 8- to 24-in. vitr. clay, 1,275 ft. 30 in. segmental block sewers in Van Everett Ave. et al. $45,000. A. B. Backherms, Municipal Bldg., engr.

Mich., Grand Rapids — Soon takes bids 1st part sewage disposal plant $200,000, road along Grand River, $45,000, bridge or sewer viaduct over Plaster Creek. Noted Apr. 12.

Ill., Jacksonville—Soon takes bids sewage disposal plant in North Side Sewage Treatment Plant. $149,624. Pearse, Greely & Hansen, 6 North Michigan St., Chicago, engrs. Noted June 14.

Wis., Greenwood—Soon takes bids sanitary sewerage system, incl. 2 disposal plants. $70,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Neb., Alliance—Sewerage system and sewage disposal plant, $60,000 to $70,000. R. E. Knight, city engr. Noted Feb. 16.

Tex., Waco—City, c/o E. E. McAdams, mgr., soon takes bids bridges and culverts to incl. viaduct. $190,000. Noted June 28.

Okla., Enid—Two storm sewers. To exceed $15,000. F. C. Magruder, Enid, engr.

Calif., Maywood—Plans vitr. sewage system in western section of city, $100,000 or more. V. Wood, Amer. Bank Bldg., Los Angeles, engr.

Bids Desired

Mass., Boston—Aug. 21, by Dpt. P. Wks., sewerage works in Dorchester, Brighton and West Roxbury. $25,000 or more. J. H. Sullivan, comr.

Md., Baltimore—Aug. 22, by Bd. Awards, sewers and storm drains in Sewer Dist. H-1, Storm Water Contr. 117. M. J. Ruark, Municipal Office Bldg., sewerage engr.

La., New Orleans — Aug. 28, by City Council, sewage system 12 blocks Cambronne St., $25,000—18 blocks Baronne St. $50,000—25 blocks Cleveland Ave. $50,000. City engr.

Wis., Milwaukee—Aug. 18, by Dpt. P. Wks., sewers in Windemere Court 1 alley, 2 rows, 10 avenues, 3 streets. R. E. Stoelting, comr.

Neb., Sidney—Sept. 7, by S. L. Wolfe, city clk., 8,000 ft. 6 and 8 in. sewer extension; adv. E. N.-R. Aug. 16.

Calif., Fresno—Aug. 24, D. M. Barnwell, clerk Fresno Co., sewage disposal plant at County Tubercular Hospital. C. P. Jensen, Holland Bldg., engr.

Ont., Kitchener — S. Shupe, city engr., taking bids, 2 mi. 48 in. sewer, and soon take bids for 3 m.g. plant. $350,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs. Noted July 5.

Contracts Awarded

Mass., Concord—Metcalf & Eddy, engrs. Statler Bldg., Boston, 4 mi. vitr. pipe sewers. Contr. 2, to Zoppo & Civitarese, Hyde Park, $74,000 for Town. Noted July 26.

R. I., Providence—Bd. Contr. & Supply, sewerage works, Blackstone Blvd., and Burchard St. to F. W. Christy, 945 Park Ave., Auburn, $48,975. Noted July 19.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering, branch sewers in Clarkson Ave. and Fraley St., to Campellone & Diorio, 3856 North 10th St., $5,482 and $7,810 respectively—Frankford Ave., to Jafallo & Mark, Inc., 606 Lindley Ave., $67,654—laterals in J St., to A. Corrado, 5920 Magnolia Ave., $3,177—main sewers in Aramingo Ave., to V. Jafalla, Penna Bldg., $41,845—Gorgas Lane, to A. Di Sandro & Son, 6400 North 5th St., $43,573, general contract Northeast Sewage Treatment Works, to Mason & Hanger Co., 52 Vanderbilt Ave., New York. $195,000, mechanical equipment, to Roberts Filter Co., Darby, $119,700; electrical work, to W. V. Pangborne Co., 1923 West Montgomery St., $17,630; and heating, to J. Bagger, 2124 East Cumberland St., $1,380. Grand total $503,251.

N. C., Durham—Sewage system, to Burlington Constr. Co., Burlington, $30,000.

Ky., Louisville — Commissioners of Sewerage, Board of Trade Bldg., 3rd and Main Sts., Highland Park-Beechmont Sewer, Contr. 40 to J. A. Davis, 300 City Bank Bldg., Kansas City, Mo. Est. $396,000. Noted June 21.

O., Cleveland—Comrs. Cuyahoga Co., 600 ft. 8- and 12-in. sewers, Liggett Dr. Impvt. 140, to Yahya Bros., 3333 Woodbridge Ave., $20,791; 2,400 ft. 12- and 15-in. pipe in Evergreen Rd. Impvt. 141, to W. P. Burkhardt, 3905 West 20th St., $10,385.

Mich., Detroit—J. W. Reid, comr. P. Wks., Rivard Sewer Sect. 4, to S. A. Healy, 1007 Amer. State Bank Bldg., $140,466; Rivard Sewer Sec. 5, to Central Contr. & Eng. Co., 12901 Lyndon Ave., $146,286; Plymouth Sewer Sect. 1 East of Rouge Park, to Lennane & McIlvenna, 7777 West Chicago Blvd., $209,838; River Rouge Interceptor East Sect. 3, to Jeynes & Sons, 3202 Whitney Ave., $57,730; Bonaparte Sewer Sect. 1, to Julius Porath & Son, 903 Transportation Bldg. $167,644; Southfield Sewer Sects. 8 and 9, to G. R. Cooke, 1316 Penobscot Bldg. $108,110 and $102,696. Grand total $932,770. Noted July 12.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., sewer in Row through Lot 9, Kanes Sub-Division, to P. & L. Co., 1107 Humboldt Ave., $850; Story Parkway, to Zimmermann & Zimmermann, 2826 State St., $50,887. Noted July 12.

Minn., New Ulm—Storm and sanitary sewers, to Theodore Jensen, Tracy, $90,548; furnishing materials for above, to New Ulm Brick & Tile Co., New Ulm, $188,355. Noted July 19.

Mont., Stanford—Main sewer, 5,693 ft. 10- and 12-in. pipe, 22 wyes, 9 manholes and Sewer Impvt. Dist. 8, 9, 602 ft. 8 in. pipe, 304 wyes, 30 manholes, to J. O'Connor, Shelby, $32,783.

Mo., Troy—City Clerk, sanitary sewerage system, disposal plant, to Hogle & Marsh, Muskogee, Okla. Est. $48,000. Noted July 19.

Tex., Turkey—City, sewerage system, to W. G. Cullum, Central Bank Bldg., Dallas. $35,000.

Calif., Inglewood—O. H. Duelke, city clk., c.i. and vitr. sewers in Municipal Impvt. Dist. 2, to R. A. Wattson, 1026 North McCadden Pl., Los Angeles, $53,647.

Calif., Los Angeles—Los Angeles Co., drainage work, pipe lines, Drainage Dist. 26, to Baruch Corp. and R. E. Cooney, Lincoln Bldg., Los Angeles, $791,089. Noted June 28.

Calif., Los Angeles—For 6,000 ft. sewers in Allesandro and Whitmore Ave. Sewer Dist. to Radich & Grancich, 410 North Formosa St., $92,428.

Calif., Maywood—For 6- to 15-in. vitr. clay sewers in Sewer Dist. 1, to Bebek & Brkich, 425 West 78th St., Los Angeles, $108,625. Noted Aug. 9.

Calif., San Luis Obispo—Vitr. sewers on E. D. C. Main Sts., etc., to G. A. De Goyler, Oakland, $31,399. Noted Aug. 9.

Ont., Toronto—City, sewer in Logan Ave., to D. C. McKnight Constr. Co., 600 Bay St., $15,730, sewer in Keewatin Ave., to John Maguire Contr. Co., 172 Eglinton Ave., $10,184, sewer in Hilda Ave., to W. E. Taylor, 22 Falcon St., $3,973, sewer in lane near St. Clair Ave., to G. Miceli & Co., 326 Campbell Ave., $1,000, sewer in Craighurst Ave., to Mitchell Contr. Co., 28 Moore Ave., $7,480, sewer in St. Anns Rd., to P. Corrodi, 19 Hocken Ave., $449, and sewer in Albertus Ave., to J. Formica, 2147 Dufferin St., $6,476. Grand total $45,292,

Waste Disposal

Proposed Work

N. Y., Brooklyn—Brooklyn Ash Removal Co., C. R. Van Etten, pres., 26 Court St., plans by T. E. Murray, 55 Duane St., New York, 3 story, 111 x 282 ft., incinerator plant, Hamilton and 3rd Aves. $400,000.

Bids Desired

N. Y., Syracuse—Aug. 20, by Bd. Contract & Supply 3 story, 122 x 104 x 57 ft. new incinerator, Hiawatha St. $102,000. N. F. Pitt, Jr., State Town Bldg., city engr.

Bridges

Proposed Work

O., Cleveland—Comrs. Cuyahoga Co., Baltimore & Ohio R.R. 40 ft. wide, 100 ft. length rein.-con., bridge, 20,000 cu.yd. fill and approaches Linndale Rd., $60,000. A. M. Felgate, Court House, engr.

Mich., Grand Rapids—See "Sewers."

Wash., Seattle—Preliminary plans bridge in University Dist. $1,500,000. W. D. Barkhuff, city engr.

Ont., Arnprior—Twp. Council plans bridge and dam on Madanaska River. $80,000. James, Proctor & Redfern, Ltd., Excel Life Bldg., Toronto, engrs.

Bids Desired

Vermont—Aug. 17, by State Hy. Bd., State House, Montpelier, 3 bridges in Stockbridge. S. B. Bates, comr.

Mass., Newton (Ind. br. Boston)—Aug. 21, by Dpt. P. Wks., Boston, repairing concrete and steel bridge, for Commonwealth of Massachusetts. W. F. Williams, comr.

Pa., Beaver—Aug. 21, by W. M. Goettman, comr. Beaver Co., piers and abutments for bridge over Ohio River, between Rochester and Monaca.

Pa., Phila. — Aug. 24, by C. E. Walsh, purch. agt. for Pennsylvania R.R. Co., 15 North 32nd St., bridges, Contr. 68.

Michigan—Sept. 5, at Bernien Co. Rd. Office, St. Joseph, S. R. Bridge 1 of 11-13-25, C-1 and 2, two 75 ft. span steel deck girder, for State Hy. Dpt., Lansing. R. A. Beers, Kalamazoo, engr.

Wisconsin—Aug. 20, by State Hy Comn. Div. Office 8, Superior, constructing Bean Brook Bridge, State Hy. 24, Project 8336. W. C. Buetow, div. engr.

California—Aug. 29, by State Hy. Comn., Sacramento, 306 ft. steel truss swing span, one 70 ft. steel truss span and 170 ft. timber trestle repair bridge over San Joaquin River about 16 mi. east of Los Banos, Merced Co.—2 rein.-con., girder bridges over Dry Creek consisting of two 44 ft. spans on concrete abutments with wing walls and other over Antelope Creek, one 40 ft. span on concrete abutments with wing walls, both near Roseville, in Placer Co., C. H. Purcell, Hy. Bldg., Sacramento, engr.

Calif., Reedley—Aug. 24, by D. M. Barnwell, clk. Fresno Co., repairing bridge over Kings River S. W. of here—rein.-con. bridge over channel of Kings River near here. C. P. Jensen, Holland Bldg., Fresno, engr. Noted July 26.

Contracts Awarded

Vermont—State Hy. Dpt., Montpelier, 2 bridges in Stamford to C. J. Hosmer, Springfield, Mass., $16,272—3 bridges in Sandgate and 1 in Arlington to C. A. Martin, Derry, N. H., $17,062. Noted July 26.

New York and New Jersey—Port of New York Authority, 75 West St., New York, main abutments for bridge over Kill van Kull, between Port Richmond, N. Y., and Bayonne, N. J., to H. P. Converse Co., Exterior and 151st Sts., New York, $515,709. Noted July 12.

N. Y., Buffalo — City, City Hall, R. J. Reidpath, 333 Jackson Bldg., engr. to Independent Bridge Co., Neville Island, Pittsburgh, Pa. repairing Seneca Street Viaduct $21,400; Hamburg Street Viaduct $114,400 and Michigan Ave. Viaduct $59,900. Grand total $195,700.

N. J., Hackensack—Bd. Freeholders Bergen Co., Court House, replanking of Paterson Plank Rd. and bridge over Hackensack River, to F. W. Schwiers Co., Court St., Hackensack, $21,190. Noted Aug. 9.

Pa., Phila.—Dpt. P. Wks., Bureau of Engineering, Ryan Bridge over Sandy Run, to Walsh Bros. & O'Vary, 4618 Vankirk St., $37,960—Leverington Ave. Bridge over Canal of Schuylkill Navigation Co., to Seeds & Derham, 25 Maplewood St., $96,976—Ashdale Street under tracks, to Horridge Elcock & Hall, Real Estate Trust Bldg., $49,955—test borings, to J. E. Robinson, 5231 Catherine St., $3,710. Grand total $187,701.

Maryland — State Roads Comn., Baltimore, double span rein.-con. bridge, Contr. A-54, Allegany Co., to S. T. Brotemarkle, Cumberland, $16,945—triple span rein.-con. arch bridge, Contr. F-101, Frederick Co., to D. A. Kline, 1303 John St., Baltimore, $31,845—3 span steel and concrete bridge, Contr. BC-73, Baltimore, to T. Mullan, 3945 Greenmount Ave., Baltimore, $79,883. Grand total $128,674. Noted July 26.

Maryland—State Roads Comn., Baltimore, three span steel and concrete bridge, Contr. M-114, Montgomery Co., to Poffinberger & Mause, Myersville, $29,973. Noted July 19.

Ohio—H. J. Kirk, dir. Hys., Columbus, concrete slab bridge, Union Co., to L. C. Love, Sidney, $11,579—new triple 36 ft. span concrete beam bridge, 2 rein.-con abutments and 40 ft. concrete beam bridge and

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Bring on Your Pipe-Laying Crew

The INDEPENDENT Concrete Sewer Pipe are Ready!

NO MATTER whether your sewer contract calls for a thousand feet of reinforced concrete pipe, or ten miles, you can depend on INDEPENDENT for ahead-of-time delivery of all the sewer pipe you need.

Our business is building concrete sewer pipes exactly *as* the city engineer specifies them, and delivering them exactly *when* and *where* the sewer contractor wants them.

And not only do we meet every requirement in quality and delivery, but we furnish the kind of pipe your crews can lay more profitably! The "Recessed Joint"—an exclusive feature of INDEPENDENT Pipe—makes it easy to seal each joint quicker, tighter and stronger, at lowest cost.

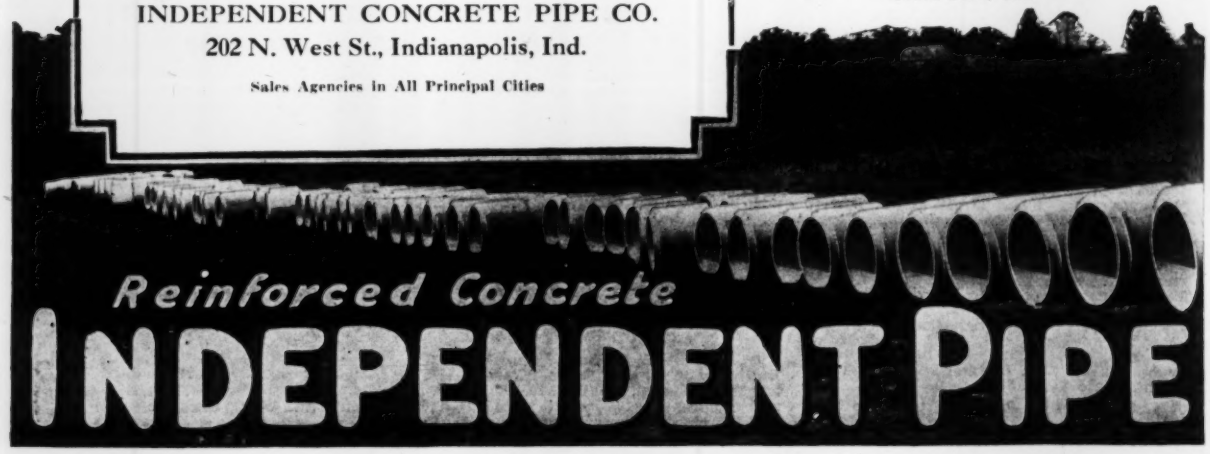
Before you bid on any important concrete pipe sewer project, get a quotation from us. Our wide experience in solving sewer problems and our complete facilities for manufacturing concrete pipe, enable us to quote you a low figure.

INDEPENDENT CONCRETE PIPE CO.
202 N. West St., Indianapolis, Ind.

Sales Agencies in All Principal Cities

Line of INDEPENDENT Concrete Pipe ready for the sewer contractor to lay—Rushville, Ind.

INDEPENDENT 48-in. Concrete Pipe placed along line of a trunk sewer at South Bend, Ind.



Reinforced Concrete
INDEPENDENT PIPE

Bridges (Continued)

two rein.-con., abutments, both in Ashland Co., to W. P. Townsend, Greenville, $13,501 and $8,868 resectively—4 concrete bridges and 2 culverts Hocking Co., to Wellston Lumber Co., Wellston, $13,836—concrete beam bridge, Butler Co., to H. L. Brite, Winton and Miles Sts., Mt. Healthy, Cincinnati, $10,457—concrete beam bridge and approaches and one slab bridge, Mahoning Co., to E. E. Miller, Canfield, $13,565—steel truss bridge Erie Co., to Standard Engr. Co., Toledo, $85,300—bridge and culverts Preble Co., to Hunt Bros. Co., Greenville, $7,869—widening concrete bridge in Columbiana Co., to F. L. Cox, Kensington, $3,903. Grand total $184,801. Noted Aug. 9.

South Dakota—State Hy. Comn., Pierre, Bridges on F.A.P. 173-F, Hand Co. and F.A.P. 194-E, Buffalo Co., to Diamond Eng. Co., Grand Islands, Neb., $5,343 and $3,348 respectively—F.A.P. 6-C, Mood Co., to Noonan-Hyde Co., Watertown, $5,608—F.A.P. 15-B, Lawrence Co., to Pioneer Bridge Co., Mitchell, $6,938—F.A.P. 2 and 232 Lincoln Co., to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, Neb., $12,267. Grand total $33,504.

Montana—State Hy. Comn., Helena, Tock Creek Bridge, Carbon Co., and 2 I-beam bridges on Yellowstone Trail Rd., Rosebud Co., to W. P. Roscoe, Billings, $5,588 and $21,772 respectively — 244.5 ft. concrete bridge, Helena Boulder Rd., Jefferson Co. and Big Hole River Bridge, Beaverhead and Madison Counties, to McGuire & Blakeslee, Great Falls, $29,866 and $29,885 respectively—bridges on Project 248-A, Jefferson Co., to Montgomery & Son, Chinook, $21,162. Grand total, $108,273.

Missouri — State Hy Comn., Jefferson City, to List & Weatherly, Kansas City, 80 ft. arch, ten 40 ft. rein.-con deck girder spans, over Spring River overflow, $33,038, 77.5 ft. 100 ft. 122.5 ft. arch, seven 40 ft. rein.-on. deck girder spans, over Spring River, $49,137, eleven 35 ft., two 45 ft. rein.-con. deck girder spans over Missouri Pacific R.R. tracks, $38,589, all Jasper Co.—to Carte-Harlin Constr. Co., West Plains, three 40 ft. rein.-con. deck girder spans over Clubb Creek, $9,865, four 20 ft. rein.-con. slab spans, over Clubb Creek overflow, $6,594, two 6 ft. rein.-con. slab spans over creek, $886, all Bollinger Co.—to John Spitcaufsky, Kansas City, two 9 ft. rein.-con. slab spans, over Haines Creek, $1,932, two 10 ft. rein.-con. slab spans over Clubb Creek, $2,879, two 11 ft. rein.-con. slab spans over Wisdom Creek, $2,436, 40 ft. rein.-con. deck girder spans over Corman Creek, $5,453, all Benton Co.—to A. A. Davis, Kansas City, 35 ft., 40 ft., 45 ft. rein.-con. deck girder spans over Portopen Bay, $9,825, three 30 ft. rein.-con. deck girder spans over D.D.18, $6,858, 45 ft. rein.-con. deck girder spans over D.D.37, $4,333, all New Madrid Co.—to G. W. Condon, Omaha, Neb., two 25 ft., eight 40 ft. rein.-con. deck girder and one 120 ft. steel truss spans over 102 River, $38,229, three 20 ft. rein.-con. slab spans over 102 River overflow, $5,675, Nodaway Co., 80 ft. steel truss, two 40 ft. rein.-con. deck girder spans, over Squaw Creek, D.D., Holt Co., $16,640—to Penzel & Lemaster, Jackson, two 50 ft., one 40 ft. rein.-con. deck girder spans over railroad tracks, $13,333, one 80 ft. steel truss, two 45 ft. rein.-con. deck girder spans, $16,106, Cape Girardeau Co.—to A. P. Poirot, Belleville, Ill., two 10 ft. rein.-con. slab spans over creek, Iron Co., $3,025—to Millers Garage, Inc., St. Louis, five 30 ft. rein.-con. deck girder spans over Flat River, St. Francois Co., $16,773. Grand total $281,607. Noted June 21.

Mo., St. Louis—Bd. P. Serv., City Hall, 250 ft. rein.-con. viaduct over River Des Peres at Alabama Ave., to J. J. Bailey, 8180 Pershing Ave. $86,631. Noted July 12.

Mo., St. Louis—Bd. P. Serv., City Hall, earth embankment for approaches to Arsenal Street Viaduct over River Des Peres, to Excavating Co., Central Natl. Bank Bldg., for St. Louis & San Francisco R.R. Co., $57,946. Noted July 12.

Wash., Seattle—Bd. P. Wks., bridge on Lawton Way to C. J. Erickson, Henry Bldg., $84,481.

Calif., Los Angeles—Retaining structure adjacent to Riverside Dr.-Dayton Bridge, also grading 3,095 cu.yd. F. concrete to Engstrum Co., 4953 Hollywood Blvd., Los Angeles, $73,385.

Calif., Ventura—Ventura Co., constructing Bardsdale Bridge, to C. Fisher, Chamber of Commerce Bldg., Los Angeles, $138,835. Noted Aug. 9.

Dams

Proposed Work

Colo., Creede—San Luis Valley Development Corp., R. E. Sellers, reservoir and development in San Luis Valley dam 17 mi. northwest of here. M. C. Hinelider, Denver, engr.

Contracts Awarded

Ontario—Province of Ontario and Dominion Govt., Ottawa, storage dam at Ear Falls on English River, to Morrow & Beatty, 442½ George St., Peterborough. Est. $750,000.

Railways

Proposed Work

Alabama—Louisville & Nashville R.R. Co., W. H. Courtenay, ch. engr., Louisville, Ky., plans constructing freight yards and terminals and track work to serve Mobile Dock Works. $1,250,000.

Texas—City, and Rock Island Ry., C. H. Morse, ch. engr., Chicago, Rock Island & Pacific Ry. Co., Chicago, Ill., plan grade separation at East 4th St. and Rock Island Ry., Fort Worth. $150,000. D. L. Lewis, Fort Worth, city engr.

Texas—Phillips Petroleum Co., Bartlesville, Okla., constructing standard gauge rail line 4½ mi. long, from carbon black plant Sect. 16 Blk. Y, Hutchinson Co., to Borger, $40,000. Owner builds.

California—Turlock & Eastern R.R. Co., W. F. Beard, pres., 726 10th St., Modesto, plans 5 mi. railroad between Turlock and Cortez on Sante Fe R.R. line. $250,000.

California and Oregon—Southern Pacific R.R. Co., G. W. Bosehke, ch. engr., 65 Market St., San Francisco, grading 97 mi. to connect Klamath Falls, Oregon, and Alturas, Calif. Private plans.

Quebec—Quebec and Chibougamau Ry. in Lake St., John Dist., 2d division from Herbertville to Dolbeau, 60 mi. east and north of Lake St., John, also 40 mi. branch line to Chicoutimi, to A. Deslauriers, Ltd., Quebec.

Contracts Awarded

Pennsylvania — Pennsylvania R.R. Co., T. J. Skillman, ch. engr., Broad Streets Station, Phila., general contract relocating 6 mi. track, incl. passenger stations, between Glen Osborne and Fair Oaks, incl., 1 story, 40 x 102 ft., concrete freight house, 5 concrete undercrossings, 125 ft. long and 25 ft. clearance at Sewickley, to W. F. Trimble & Sons, 1719 Penn Ave., Pittsburgh. Est. $4,000,000.

Missouri—Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., Missouri Pacific Bldg., St. Louis, 1.5 mi. track, in yards at Leeds, own forces; grading, culverts for same, to Ross-Wogan Co., Kansas City.

Texas—Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., St. Louis, Mo., 37 mi. railway on Gulf Coast Lines, and 81 mi. colored light signal system on International Great Northern R.R., to General Railway Signal Co., Railway Exch. Bldg., St. Louis, Mo.

Ontario—Windsor Hydro Rys., Windsor, A. F. McGill, ch. engr., 3,000 lin.ft. double track, to S. P. West Constr. Co., Detroit St., Sandwich, $35,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mass., Lynn—City, Chamber of Commerce, 23 Central Ave., plans bulkhead and dredging flats. $250,000. City Engr., Dpt. Ways & Drainage, City Hall and Knolles-Morris, Westinghouse Bldg., Pittsburgh, Pa., engrs. Noted Jan. 5.

N. J., Trenton—City Comn., Mercer Co., concrete bulkheads along Municipal Dock. $25,000. A. C. Gregory, Trenton, engr.

Ark., Pine Bluff—Sud. Dist. 1 of Bradley D. D. c/o Coleman & Gantt attorneys, clean out old ditches and construct some new levee, $25,000 or more. E. B. Reynolds and E. Hale, 203 Natl. Bank Bldg., engrs.

Tex., La Feria—La Feria Irrigation Dist., c/o W. Amthor, engr. and mgr., surveys, well and open drainage and concrete parts of canal system. $350,000.

Calif., San Pedro — City Los Angeles Harbor, Comn., making specification dredging 650,000 cu.yd. in Slips 1 and 5. G. F. Nicholson, Berth 90, San Pedro, engr.

Bids Desired

Miss., Holly Srings—Aug. 22, by Comrs. at office Smith & Smith, attorneys, 771,200 cu.yd. excav., 32.13 mi. canals, for Pigeon Roost Creek D. D. J. C. Tucker, secy. $79,024. S. McCleskey, Memphis, engr.

O. Cincinnati—Aug. 24, by Comrs. Hamilton Co., constructing retaining wall and filling in Muddy Creek, North of Cincinnati Ave. $28,050. E. A. Gast., Court House, engr.

Minn., Minneapolis—Aug. 28, by A. P. Erickson, aud. Hennepin Co., Judicial Ditch 6,750 cu.yd. open ditch, 15,700 ft. 12- to 24-in. clay or concrete, 95,300 ft. 1- to 10-in. clay tile, etc. $30,000. S. P. Norling, 225 Gateway Bank Bldg., engr.

Calif., San Pedro—Aug. 22, by Los Angeles City Harbor, 500,000 cu.yd. shoal dredging in various slips. G. F. Nicholson, Berth 90, San Pedro, engr.

Ont., Kingston—Aug. 17, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging.

Contracts Awarded

Mass., Winthrop—Commonwealth of Massachusetts, Dpt. P. Wks., State House, Boston, dredging 20,000 cu.yd. not less than 6 ft. mean low water, Pleasant Park Yacht Club, to Bay State Dredging & Contr. Co., 62 Condor St., East Boston, $9,820.

N. Y., Buffalo—C. Fisk, comr. P. Wks., Municipal Bldg., dredging channel at Buffalo Inner Harbor to Great Lakes Dredge & Dock Co., Morgan Bldg., at $0.365. Noted May 31.

Md., Baltimore—Mayor and City Council, dredging in harbor, to Arundel Corp., Pier 4, Pratt St., Item 1 $0.52, Item 2 $0.30, Item 3 $0.50, Item 4 $0.35, Item 5 $0.60:

La., Crowley—Sixth Ward D. D. H. E. Lewis, pres., 42 mil open ditches incl. 400,000 cu.yd. excav., to Kenyon Dredging Co., Houston, Tex., $39,840.

Illinois—Dpt. Purchases and Constr. Div. Waterways, State House, Springeld, excavating in Marseilles Canal, Starved Rock, Marseilles, Dresden Island and Brandon Rd. Pools, Contr. 9, to W. E. Callahan Constr. Co., Arcade Bldg., St. Louis, Mo. $597,500 and dredging channels in river to Congress Constr. Co., 506 South Wabash Ave., Chicago, $856,800. Noted Aug. 9.

Ontario—S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, dredging at Goderich, to W. L. Forrest, Goderich; $43,000, dredging at Sarnia, to Canadian Dredging Co., Midland, $178,000; dredging at Owen Sound, and Little Current, Manitoulin Islands, to Randolph MacDonald Co., Toronto, $96,900 and $96,000 respectively. Grand total, $413,900. Noted July 12.

Ont., Port Arthur—S. E. O'Brien, secy., Dpt. P. Wks., Ottawa, rubble mound breakwater addition, to Chambers, McQuigge, McCaffrey, Co., Ltd., Excel Life Bldg., Toronto, $750,000. Noted June 28.

Streets and Roads

Proposed Work

Mass., West Roxbury (sta. Boston) — Dpt. P. Wks., State House, Boston, plans laying out and reconstructing Starford St., Elven, Russett and Woodward Rds. as highways. $25,000 or more. J. H. Sullivan, comr.

N. J., Hillside (br. Elizabeth) — Twp. Comn., Municipal Bldg., resetting curbs, sheet asphalt on 6 in. concrete or 7 in. rein.-con. paving Bond and Clark Sts. $78,960; Mertz Ave. $27,845; Fitzpatrick St., $25,605; Chapman St., $31,800; Penna. Ave. $25,435; curbing sheet asphalt on 6 in. concrete or 7 in. rein.-con. paving Ryan St. $37,000; Thomas St. $26,975. C. Luster, 286 North Broad St., Elizabeth, twp. engr.

N. J., North Bergen (Ind. br. Weehawken)—Twp. Comn., Town Hall, grading, sheet asphalt on concrete repaving Hoyer St., Carsten Ave. and Midway Pl. $28,700. R. B. Glenn, Town Hall, town engr.

N. J., Weehawken — Twp. Com., Town Hall, grading, sheet asphalt on concrete

Constr. News page 89

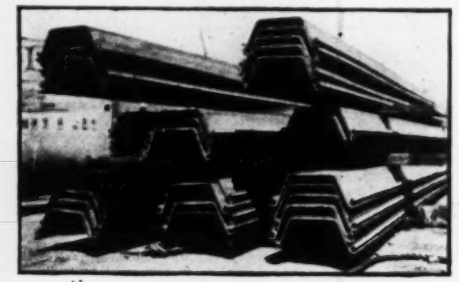
On the job . . .

Installations prove the *success* of the new 16-inch x 5-inch Deep-Arch Lackawanna Piling

DURING the short period this Deep-Arch Piling Section has been on the market it has been used successfully on numerous jobs, several of which are shown in the accompanying photographs.

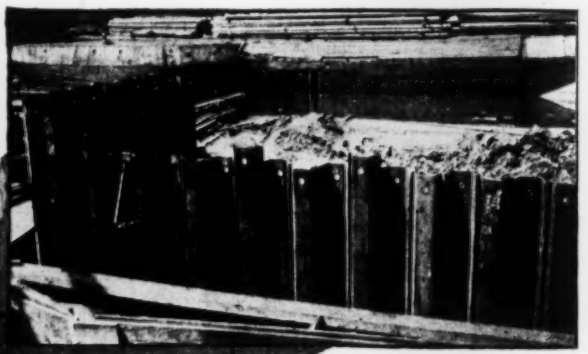
The new section has fulfilled every claim. It combines very high strength with low weight per square foot of wall. Extensive shop and laboratory tests of the Deep-Arch Piling have demonstrated the high transverse strength indicated by the section modulus, the strength to resist heavy concentrated loads and the strength of the interlock. Long lengths of this piling have been successfully driven through both fine sand and stiff clay.

Further information about the new Deep-Arch Lackawanna Piling can be obtained from the nearest Bethlehem District Office.



Above:
Stacks of 60-foot piles which were later successfully driven through 55 feet of sand—Brooklyn, N. Y.

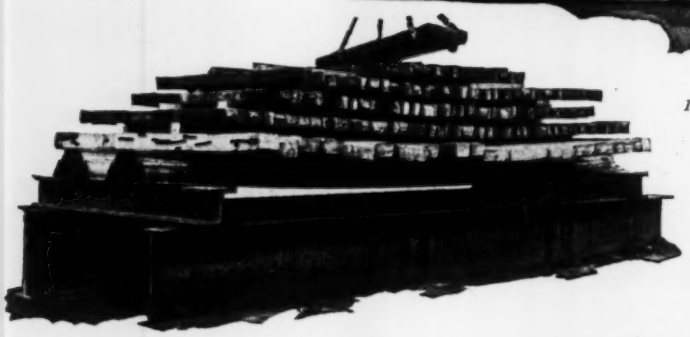
Above:
In Hamilton, Ontario —a dock wall, showing the Deep-Arch Piling being driven through 38 feet of very stiff clay.



Above:
In Brooklyn, N. Y. —a cut-off wall of this new section.

Right:
Lowell, Mass. —a corner of a cofferdam which demonstrated the watertightness of this Deep-Arch Piling.

Features of the 16-inch x 5-inch Deep-Arch Section	
Nominal Width	16 in.
Nominal depth	5 in.
Web thickness	5/8 in.
Wt. per ft. of pile	33.3 lbs.
Wt. per sq. ft. of wall	25 lbs.
Section modulus per ft. of wall	
Single	10.07 in.^{3}
Interlocked	16.14 in.^{3}



Left:
—four 16-inch Deep-Arch Sections of Lackawanna Steel Sheet Piling—20-foot span—being subjected to a bending test by loading with steel billets.

BETHLEHEM STEEL COMPANY
General Offices: Bethlehem, Pa.

District Offices—New York, Boston, Philadelphia, Baltimore, Washington, Atlanta, Pittsburgh, Buffalo, Cleveland, Detroit, Cincinnati, Chicago, St. Louis, San Francisco, Los Angeles, Seattle, Portland and Honolulu.

Bethlehem Steel Export Corporation, New York
Sole Exporter of our Commercial Products

BETHLEHEM

Streets and Roads (Continued)

paving West 18th St. $25,000. Engineer not selected.

N. C., Lexington—Pave or treat with tar products 2 mi. $25,000-$45,000.

La., Rayville — Grading, curbing, hard surfacing, various streets. $250,000. M. L. Culley, Lampton Bldg., Jackson Miss., engr.

Bids Desired

Massachusetts—Aug. 21, by Dpt. P. Wks., State House, Boston, gravel and bituminous paving 15,160 ft. hy. in West Boylston, Groton, Phillipston, Carlisle — bituminous macadam paving 33,774 ft. Athol, Phillipston, Peabody, and Andover—grading 6,900 ft. hy. in Sutton. W. F. Williams, comr.

Massachusetts—Aug. 21 by Dpt. P. Wks., State House, Boston, bituminous macadam paving 8,936 ft. hy. and 132 ft. steel truss span bridge in Northampton and Easthampton. W. F. Williams, comr.

Mass., Boston—Aug. 14 by Dpt. P. Wks., sheet asphalt or bitulithic paving in Wards 13, 14 and 17, $25,000. J. H. Sullivan, comr.

New York—Aug. 31, by A. W. Brandt, comr. Highways, Albany, improving highways in Monroe, Nassau, Onondaga, Ontario and Yates, Rensselaer, Tompkins and Wyoming Counties; reconstructing Cayuga and Onondaga, Oneida, Ontario and Yates, Otsego, Rennselaer, Schuyler and Wyoming Counties; adv. E. N.-R. Aug. 16.

N. Y., Brooklyn—Aug. 22, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading Gardner Ave., Linden Blvd., and East 9th St.; grading, granite on concrete paving West 9th St. and Flushing Ave.; bituminous macadam paving Avenue L; grading, sheet asphalt on concrete paving Prospect Park West, Avenue S, East 40th, East 98th West 5th Sts.

N. Y., St. George—Aug. 22, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading Richmond Rd. and granite block repaving on concrete paving Manor Rd., Van Duzer St., and Bway.

N. Y., Syracuse—Aug. 20, by Bd. Contract & Supply, grading, Cadillac St., sidewalks in Henford Rd. Jay and Surbeck Sts., Sumner, North and Ackerman Aves., N. F. Pitts, Jr., State Town Bldg., city engr.

New Jersey — Aug. 27, by State Hy. Comn., Trenton, grading, draining, bituminous macadam paving, etc. Route 1 extension, Sect. 13, Contr. 18, Stockton St. Connection, between Avenue Q and Delancy St., Newark, Essex Co.; adv. E. N.-R. Aug. 16.

N. J., Asbury Park—Sept. 5, by Bd. Freeholders Monmouth Co., Freehold, reconstructing 0.65 mi. Asbury Ave. Rd. 36, Sect. 1, from Asbury Park City line to State Route 35. G. K. Allen, 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. Aug. 16.

N. J., Belvidere — Sept. 5, Bd. Freeholders Warren Co., rein.-con., paving Still Valley-Harmony Rd.; adv. E. N.-R. Aug. 16.

N. J., Cape May—Aug. 29, by Bd. Freeholders Cape May Co., Courthouse, paving portion Tuckahoe Rd., Sect. 2, Upper Twp. R. F. Smith, Cape May Co. engr.; adv. E. N.-R. Aug. 16.

N. J., New Providence—Aug. 18, by Twp. Com., Township Hall, concrete sidewalks on Plainfield Ave. $25,000. J. J. Krentz, 23 Maple St., Summit, twp. engr.

Delaware—Sept. 4, by State Hy. Dpt., Dover, grading, cement concrete paving, or cement concrete (slag aggregate) paving 3.77 mi. Contr. 90, Bay State Rd.—concrete (slag aggregate) of sand asphalt surfacing 4.15 mi. Contr. CS-63-A; adv. E. N.-R. Aug. 16.

Maryland — Aug. 22, by Bd. Awards, grading and top soil Contr. 469; sheet asphalt paving Contr. 479, Baltimore Co. N. L. Smith, highways engr.

La., New Orleans — Aug. 29, by City Council, curbing, paving 24 blocks Cleveland Ave. from South Claiborne to South Carrollton $125,000—8 blocks Baronne St., from Canal to Howard Ave. $75,000—18 blocks Baronne St. from Louisiana to Dufossat St. $110,000—6 blocks Bartholomew from Charters to St. Claude Ave. $30,000—12 blocks Cambronne St., from Freret to Sycamore $60,000—city engr.

La., New Orleans — Aug. 30, by City Council, sidewalks concrete 24 blocks Cleveland Ave. $25,000.

Kentucky—Aug. 31, by State Hy. Comn., at office State Hy. Engr., Old Capitol Bldg., Frankfort, surfacing 5.4 mi. S. P. 40 B-S, Barren Co.—9.4 mi. S. P. 12 A-S, Grayson Co.—7.7 mi. S.P. 12 B-S, Hardin Co.—3.6 mi. S P 30 A-S, Madison Co—and 1.506 lin.ft. S. P. 47 Q-S, Carter Co., J. S. Watkins, hy. engr.

O., Portsmouth—G. H. Lyon, dir. Serv., taking bids widening roadway and asphalt resurfacing 3,805 ft. Gallia St., $32,000. C. S. Stevenson, City Hall, engr.

Michigan — Aug. 23, by C. L. Cowgill, resident engr., Plymouth, concrete paving 1.179 mi. MO63-3, Contr. 9, 20 ft., Oakland Co., for State Hy. Dpt., Lansing.

Michigan—Aug. 29, at office City Clerk, Hastings, concrete paving and widening 0.623 mi. MO8-20, C-1, Barry Co., 20 ft., for State Hy. Dpt., Lansing. R. A. Beers, Kalamazoo, resident engr.

Michigan—Sept. 6, by G. H. Green, resident engr., concrete paving 6.530 mi. FO6-14, C-1, 20 ft., Arenac Co., for State Hy. Dpt., Lansing.

Ill., Chicago—Aug. 21, by Bd. Local Impvt. M. F. Faherty, pres., grading, asphalt and concrete paving, sewers, water service pipes, etc.

Wisconsin—Aug. 21, by State Hy. Comn., Court House, La Crosse, 24 ft. feathered edge fine crushed stone surfacing 6,300 cu.yd. Viroqua-Genoa Rd., Project 5982, Vernon Co. T. M. Reynolds, div. engr.

Wis., Wauwatosa — Aug. 23, by W. J. Cary, clk., Milwaukee Co., grading, curbing, asphalt paving 20,700 sq.yd. Menomonee River Parkway. W. C. Kavanaough, Milwaukee, co. hy. comr.

Minn., Duluth—Aug. 21, by G. P. Phillips, city comr., 8 in. one-course concrete paving 2,000 ft. Michigan St., 53 ft. $63,000. J. Wilson, city engr. Noted May 24.

Kan., Ft. Scott — Aug. 30, by Clerk Bourden Co., grading, bituminous macadam paving 52,384 sq.yd. Federal Aid Project 335-A, 18 ft., H. C. McCinley, engr.

Kan., Newton—Sept. 5, by Clerk Harvey Co., grading, concrete paving 11.045 mi. Project 560, 30 ft. R. J. Justine, Newton, engr. Noted July 5.

Kan., Willington — Aug. 23, by Clerk Sumner Co., grading, etc., 14,319 mi. Project 667-A, 30 ft., J. W. Mavity, engr.

Tex., Dallas—Aug. 30, by C. E. Gross, aud. Dallas Co., concrete paving 4,000 sq.yd. in Wilmer and constructing portion of Buckner Memorial Blvd.

Colorado—Aug. 22, by State Hy. Dpt., Denver, grading, gravel surfacing 2.414 mi. Hy. 10, Federal Aid Project 298-B, Archulita Co., L. D. Blauvelt, State Office Bldg., Denver, engr.

Colorado—State Hy. Dpt., Denver, taking new bids gravel surfacing 2.43 mi. Fremont Co. L. D. Blauvelt, Denver, engr.

N. M., Clovis — Taking bids alternate types paving streets. $127,000. Devlin Eng. Co., 715 Fisk Medical Bldg., Amarillo, Tex., engr.

California—Aug. 22, by C. H. Purcell, State Hy. engr., grading, asphaltic concrete paving 1.8 mi. highway between North Sacramento and Del Paso Park, Sacramento Co., $25,000.

California—Aug. 29, by State Hy. Comn., Sacramento, grading, oil treated crushed gravel or stone surfacing 2.2 mi. San Joaquin Co., 22.1 mi. Riverside Co.—widening asphaltic concrete paving 6.1 mi. Tulare Co.—grading 5 mi. Glenn Co., C. H. Purcell, Hy. Bldg., Sacramento, engr.

Calif., San Diego—Aug. 27, by Common Council, grading, curbing, guttering, 2 in. asphalt on 6 in. concrete paving 252,359 sq.ft. Garmet St., 1½ in. asphalt on 5 in. concrete paving 105,003 sq.ft., 6 in. asphaltic concrete paving 42nd and other streets. H. W. Jorgensen, engr.

Contracts Awarded

Massachusetts—Dpt. P. Wks., State House, Boston, bituminous macadam paving 3,000 ft. hy. in Templeton, to J. J. McHugh, Leicester, $25,334—4,521 ft. Randolph, to Powers Bros., Brockton, $32,803—17,065 ft. Templeton and bituminous concrete paving 11,900 ft. Duxbury and Kingston, to A. D. Bridges & Sons, Inc., Hazardville, Conn., $147,714 and $48,910 respectively—gravel and bituminous macadam paving 11,826 ft. Hadley to Kelleher Corp., Turners Falls, $50,234—10,140 ft. Warwick, to Fitchburg Constr. Co., Fitchburg, $37,922—3,095 ft. Berkley and Freetown, to Cadedy Constr. Co., Clifford, $13,471—rein.-con bridge in Heath, to M. Siano, 203 Deerfield St., Greenfield, $4,787 and bridge in North Adams to P. J. Kennedy & Co., Holyoke, $13,492. Grand total $374,667. Noted July 26.

Mass., Boston — Dpt. P. Wks., recut granite block paving in East Boston to A. DeStefano, 288 Summer St., $52,217. Noted July 19.

Mass., Boston—J. H. Sullivan, comr., Dept., P. Wks., sheet asphalt paving Ogden St. to M. DeMatteo, 14 Rowe Place, Rosindale, $25,362. Noted Aug. 9.

Mass., Boston—J. H. Sullivan, comr. Dept. P. Works, recut granite block paving Hanover St., to S. J. Tomasello, 11 Cushing Terrace, Dorchester, $33,742.

Mass., Boston—Dpt. P. Wks., sheet asphalt paving Harrison Ave., Wards 8 and 9 to B. E. Grant, 100 Floyd St., Roxbury, $49,849. Noted July 26.

Mass., Longmeadow (mail Springfield)—Bd. Selectmen, 417 Longmeadow St., constructing 5,054 ft. gravel and bituminous macadam road, to A. Bianchi, 98 Lincoln Park. Est. 25,000. Noted July 5.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam paving South Ave. to J. E. Donovan Co., 2207 Richmond Terrace, Port Richmond, $16,784. Noted July 26.

N. J., Hillside (br. Elizabeth) — Twp. Com., Municipal Bldg., resetting curbs, sheet asphalt on 6 in. concrete paving Irvington Ave., to Elizabeth Paving Co., 715 Elizabeth Ave., Elizabeth, $27,600. Noted July 5.

N. J., New Brunswick—Bd. City Comrs., City Hall, curbing, sheet asphalt on 6 in. rein.-con paving Guilden, Powers and Ward Sts., to Utility Constr. Co., 5 Spring St., New Brunswick, $28,642. Noted June 7.

N. J., North Bergen (br. Weehawken)—Twp. Comn., Twp. Hall, reconstruction various streets, to Clinton Asphalt Co., 308 16th St., Union City, $67,723. Noted July 12.

Pa., Phila.—Dpt. P. Wks., Bureau of Hys., to Frank Mark Contg. Co., N and Winghocking Sts., grading Arbor St., $1,188—to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., asphalt repaving (assessment work) Musgrave St., $4,388, asphalt repaving 29th St., $30,459—to Municipal Constr. Co., Washington Sq. Bldg., asphalt repaving (assessment work) 50th St., $3,717, asphalt repaving Moore St., $14,661—to F. A. Canuso & Sons, 804 South 12th St., smooth dressed granite block repaving Chestnut St., $14,975—to Eastern Asphalt Co., Penna Bldg., asphalt repaving Aspen and Fairmount Sts., $25,-040, Saunders St., $11,808, 50th St., $12,974—to Union Paving Co., 123 South 21st St., Market St., $249,741, asphalt resurfacing (heater method) streets in Group 7, $55,-615—to C. G. Centrone, 522 North 65th St., redressed granite block repaving Sansom St., $23,415 — to J. Salvucci, 512 North 65th St., 8th St., $65,755—to T. J. Reilly, 36 South 44th St., widening north shoulder Market St., $5,529—to Barber Asphalt Co., E St. and Hunting Park Ave., (heated method) asphalt resurfacing streets in Group 6, $69,887—to Montgomery Iron & Steel Co., 918 West Berks St., structural steel for reconstructing deck of City Avenue Bridge over Schuylkill River, $2,222—and to Kaufman Constr. Co., 26 South 15th St., electrifying Penrose Ferry Bridge over Schuylkill River, $9,710. Grand total $601,084. Noted July 26.

Maryland — State Roads Comn., Baltimore, concrete paving 0.91 mi. Contr. F-105, Frederick Co., to M. J. Grove Lime Co., Lime Kiln, $17,934—0.59 mi. Contr. Wo-58, Worcester Co., to Layfield & Waller Paving Co., Salisbury, $11,115—0.46 mi. Contr. Wo-59, Worcester Co., to Hannemann-Burroughs Co., Salisbury, $8,040. Grand total $37,089.

Maryland — State Roads Comn., Baltimore, concrete shoulders and concrete paving 1 mi. Contr. M-115, to Loomis Contg. Co., 3532 M. St., Wash., D. C., $10,-775—concrete paving 2.9 mi. Contr. M-99, to L. R. Colbert, Fredericksburg, Va., $45,-830—penetration macadam paving 2 mi. Contr. M-102, to Development & Contg. Co., Amer. Bldg., Baltimore, $52,545, all foregoing in Montgomery Co. Grand total $109,150. Noted July 5 and 26.

Md., Baltimore—Bd. Awards, sheet asphalt paving 9,700 sq.yd. Contr. 472, to P. Flanigan & Sons, Harford Rd. and Baltimore and Ohio R.R., $40,136; grading 10,-000 cu.yd. Contr. 473, to Potts & Callahan, Knickerbocker Bldg., $3,300.

Md., Baltimore — Bd. Awards, concrete paving 10,560 sq.yd. Contr. 474, to Mahoney Bros., 1111 Rutland Ave., $26,433; concrete alleys in Alley Contr. 129, to A. Apicella, 2907 McElderry St., $17,338. Noted July 26.

Ala., Tuscaloosa—City, 2 in. asphalt resurfacing University Ave., to Hooper Winston Constr. Co., Auburn, $11,302 and 2 in. asphalt on 6 in. concrete paving Hackberry Land, 10th St. and 10th Ave., to Murphy & Walters, Troy, $23,253.

Ohio—H. J. Kirk, dir. Hys., Columbus, grading, 4.704 mi. Guernsey Co., to I. Putnam, Van Wert, $48,735—0.329 mi. Gallia Co., to J. W. Bartlow Dayton, $24,-262—concrete paving 0.669 mi. Tuscarawas Co., to W. M. Brode Co., Newcomerstown, $16,667—0.7 mi. Hamilton Co., to J. L. Raudebaugh, Montgomery, $33,725—brick paving 1.424 mi. Cuyahoga Co., to Highway

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Streets and Roads (Continued)

Constr. Co., Guarantee Title Bldg., Cleveland, $144,349—2.5331 mi. Lucas Co., to L. C. Love, Sidney, $11,579—surface treating 2.81 mi. Wyandot Co. to U. S. Constr. Co., Upper Sandusky, $2,211 — surface treating in various sections in Marion and Union Counties to C. B. Weymouth, Bellfontaine, $10,226 — bituminous macadam paving 4.359 mi. Ashtabula Co., to B. P. Putnam, Columbus, $41,004 — brick and concrete paving 2.7147 mi. Lucas Co., to G. L. LaBoiteaux, Toledo, $133,898—grading, brick resurfacing 0.180 mi. Erie Co., to Standard Engr. Co., Toledo, $23,150—resurfacing shoulders, slopes and ditches and repaving 4.108 mi. Mahoning Co., to E. E. Miller, Canfield, $71,230. Grand total $561,036. Noted Aug. 9.

Ohio—H. J. Kirk, dir. Hys., Columbus, grading, widening, brick paving 0.119 mi. Huron Co., to A. J. Baltes, Norwalk, $21,-817—0133 mi. thens Co., to F. H. Beckler, Athens, $23,233—concrete paving 5.120 mi. and 0.919 mi. both in Richland Co., to R. R. Heffner, Celina, $115,666 and $28,621 respectively, waterbound macadam paving 3.322 mi. Delaware Co., to Edwards Constr. Co., Sunbury, $55,014—5.83 mi. Wood Co., to W. S. Flarety, Woodville, $133,155, and concrete paving 7.196 mi. Fayette Co., to C. O. Baldwin, Hillsboro, $115,737. Grand total $493,243. Noted Aug. 9.

O., Cincinnati—C. O. Sherrill, city mgr., grading, curbing, vitr. brick concrete paving 6,500 sq.yd. Westwood Ave., to Gradison Constr. Co., 701 1st Natl. Bank Bldg., $92,-763—grading, concrete paving 4,750 sq.yd. Franklin Ave., to Murdock Constr. Co., 4701 Main Ave., Norwood, $20,766—14,700 sq.yd. Glenway Ave., to Hannon-Hughes Constr. Co., 911 Atlas Banks, $61,318—6,600 sq.yd. Roe Sr., to E. Wagner & Son, 6760 Doone St., Norwood. $24,523. Grand total $199,370. Noted July 12.

O., Cleveland—Comrs. Cuyahoga Co., 3 in. vitr. brick on 9 in. concrete paving Anderson Rd., to F. W. Stollfus, Western Reserve Bldg., $135,694. Noted May 24.

O., Maple Heights (br. Cleveland)—Bituminous paving 4,000 sq.yd. Watson Rd., to A. M. Pejsa Paving Co., 3161 East Derbyshire Rd., Cleveland, $31,174. Noted Aug. 9.

O., Parma Heights (br. Cleveland) — Concrete paving Parma Park Blvd. and Beresford Ave., to Loesch & Green Constr. Co., 4169 Pearl Rd., Cleveland $56,000 and $47,233 respectively. Noted July 26.

Ind., Anderson — Madison Co., concrete paving 1½ mi. Pitt and Dewey Sts., to W. McVaugh, Anderson, $30,080.

Ind., Connersville—City Council, concrete paving streets, to W. D. Vogel, 702 West Morris St., Indianapolis, $47,766.

Ind., Crown Point—Comrs. Lake Co., asphaltic concrete paving Erick Lund Rd., to Ahlborn & Lavene, Hammond, $83,900. Noted July 26.

Ind., Goshen—Comrs. Elkhart Co., concrete paving W-3 Rd., to Seaman Constr. Co., Goshen, $57,500, A-4 Rd., to Concord Constr. Co., Elkhart, $12,800, J-5 Rd., to Ehend & Brown, Milford, $16,900. Grand total $87,200. Noted July 26.

Ind., Jeffersonville—City Council, concrete paving Locust and Pratt Sts., to T. F. O'Neil, Jeffersonville, $34,663.

Ind., Lafayette—Comrs. Tippecanoe Co., concrete paving J. H. Mahoney Rd., to D. M. Vaughn, Lafayette, $67,833.

Michigan — R. A. Beers, resident engr., Kalamazoo, graveling 8.84 mi. MO8-18, C-1, 18 ft., Barry Co., to L. D. Cool, Hastings, for State Hy. Dpt., Lansing, $97,843. Noted July 12.

Michigan — G. H. Green, resident engr., Alpena, graveling 3.975 mi. F935-8, C-1, 18 ft., Iosco Co., to C. McComb, Algonac, for State Hy. Dpt., Lansing, $87,652. Noted June 28.

Michigan — G. H. Green, resident engr., Alpena, graveling 3.070 mi. FO65-6, C-1, 18 ft., Ogemaw Co., to C. McComb, Algonac, for State Hy. Dpt., Lansing, $54,953. Noted June 7.

Michigan—G. H. Green, resident engr., Alpena, graveling 5.938 mi. MO69-5, C-1, 18 ft., Otsego Co., to Pickett & Goodwin Bros., Allegan, for State Hy. Dpt., Lansing, $81,694. Noted July 19.

Michigan—H. G. Oakes, resident engr., Cadillac, graveling 4.612 mi. MO57-16, C-1, 18 ft., Missaukee Co., to W. H. Killiland, Gladwin, for State Hy. Dpt., Lansing, $85,-853. Noted June 28.

Michigan—R. W. Roberts, resident engr., Saginaw, concrete paving 6.156 mi. MO44-21, C-1, 20 ft., Lapeer Co., and 2.503 mi. MO25-16, C-1, 20 ft., Genesee Co., to A. Jeffrey, Saginaw, for State Hy. Dpt., Lansing, $241,809 and $103,630. Noted July 12.

Michigan—R. W. Roberts, resident engr., Saginaw, concrete paving 0.432 mi. MO73-8, C-1, 20 ft., Saginaw Co., to T. McNally, Saginaw, for State Hy. Dpt., Lansing, $36,152.

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Wisconsin—State Hy. Comn., Lancaster, concrete paving Dubuque-Platteville Rd., Project 451-A and 9294, Grant Co., to Uhlrich-Paley Co., Dubuque, Ia. $79,719.

South Dakota—State Hy. Comn., Pierre, to Western Bridge & Constr. Co., 3867 Leavenworth St., Omaha, Neb., grading 13,124 mi. Hand Co., $30,857, 4.926 mi. Lincoln Co., $15,003—to Dowd Bros. & Noonan-Doyle Co., Watertown, 8.145 mi. Buffalo Co., $31,813—to Summit Constr. Co., Summit, graveling 8 mi. Kingsbury Co. $4,871, 16.741 mi. Gregory Co. $13,388, 13.691 mi. Brule Co. $9,733, 9.879 mi. Buffalo Co. $6,259, 20.25 mi. Sanborn Co. $18,743, patching and stockpiling 9.42 mi. Pennington Co. $3,799—to T. J. Tobin Constr. Co., Madison, 16.2 mi. Jones Co. $26,109—to Van & Van, Hull, Ia., 7 mi. Turner Co. $7,262—12.219 mi. Spink Co. $7,491—to T. E. Sheehan Constr. Co., Sioux Falls, 1.2 mi. Spink and Beadle Counties $10,509, 12.016 mi. Spink Co. $18,082, 28.025 mi. Corson Co. $29,551, 27.717 mi. Dewey and Corson Counties $44,950—to Wagner-Erling, Sioux Falls, F.A.P. 236-A, part of 75B and S.A.P. 91 $39,641, 9 mi. Brookings Co. $6,067—to H. Pickus Constr. Co., Sioux City, Ia., $33,519. Grand total $357,647.

Montana — State Hy. Comn., Helena, grading 5.021 mi. Project 248-A, Unit 1, Jefferson Co., and 17.42 mi. Project 131-B, Missoula and Granite Counties, to L. T. Lawler, 306 Lewisohn Bldg., Butte, $99,-535 and $110,458 respectively; 7.354 mi. Project 217-E, Unit 1, Park Co., to Stanley Bros., St. Cloud, Minn., $66,765. Grand total $276,758.

Missouri — State Hy. Comn., Jefferson City, **(R. means Route)** to Carte-Harlin Constr. Co., West Plains, 24 ft. grading 1.623 mi. R. 51-A, Sect. 2, Bollinger Co. $22,458—to J. Spitcaufsky, Kansas City, 30 ft. grading 4.733 mi. R. 65, Sect. 395-E, $48,027 and 4,732 mi. R. 65, Sect. 295-F $27,182, both Benton Co.—to A. A. Davis & Co., Kansas City, 0.288 mi. R. 61, Sect. 140, Pemiscot Co. $1,728, 4.038 mi. Sect. 40-B $26,856, 3.289 mi. Sect. 40-C $21,183, New Madrid Co.—to G. W. Condon, Omaha, Neb., 0.183 mi. R. 1, Sect. 14-A, Holt Co. $2,140, 0.473 mi. R. 18, Sect. 308-A, Nodaway Co. $6,385—to A. W. Mosley, Kansas City, 2.52 mi. R. 65, Sect. 295-D, Benton Co. $10,462—to Penzel & Lemaster, Jackson, 0.582 mi. R. 61, Sect. 289-C, Cape Girardeau Co. $25,709—grading, 18 ft. graveling 1.653 mi. R. 63, Sect. 110-C, Phelps Co. $29,600—to C. E. Hamilton, Carbondale, Ill., grading 1.135 mi. R. 25, Sect. 211-C, Stoddard Co. $1,838, 18 ft. concrete paving same road $16,786, grading and portland cement concrete paving 3.835 mi. R. 25, Sect. 197-B, Stoddard Co. $62,356—to List & Weatherly, Kansas City, 18 ft. chats surfacing 1.413 mi. R. 71, Sect. 305-A, Jasper Co. $45,043—to Millers Garage, Inc., St. Louis, grading, 18 ft. portland cement concrete paving 1.673 mi. R. 32, Sect. 34 $49,899, concrete paving 0.098 mi. R. 32, Sect. 35, $2,548, St. Francois Co., 18 ft. graveling 4.128 mi. R. 4, Sect. 302-A, $8,782, 4.795 mi. R. 4, Sect. 302-B $15,900, 4.48 mi. R. 4, Sect. 302-C $13,980, all Putnam Co.—to M. C. W. Constr. Co., Jackson, 2.803 mi. R. 51, Sect. 208-B, Bollinger Co. $12,808—to Graham Bros., Leeds, 4.372 mi. R. 24, Sect. 301-C, Monroe Co. $27,-017. Grand total $478,690. Noted July 5.

Mo., Plattsburg—T. F. Downey, city clk., City Hall, grading, curbing, 7 in. concrete paving Main, Locust and Maple Sts., to E. D. Tyner Constr. Co., 14th and Elm Sts., Kansas City $22,450. Est. $25,526.

Mo., St. Louis—Bd. P. Serv., City Hall, to Perkinson Bros. Constr. Co., 3237 Carter Ave., 3 in. vitr. brick paving 1,045 sq.yd. Cooper St. $5,793, vibrolithic concrete paving 2,420 sq.yd. Boardman St. $10,355, rein.-con. paving 1,450 sq.yd. Tillie Ave. $7,407; to W. A. Riley, 110 North 7th St., 4 in. vitr. brick paving 1,250 sq.yd. Knox Ave $7,223; to C. A. Moreno, Syndicate Trust Bldg., asphaltic concrete paving 1,265 sq.yd. Fillmore St. $7,033, 1,340 sq.yd. Schollmeyer Ave. $8,158; to Eyermann Contg. Co., 1216 South Grand Blvd., vibrolithic concrete paving 2,160 sq.yd. Quincy St. $9,815; to Alfred Lewald, Inc., 6025 West Cabanne Ave., rein.-con. paving 1,575 sq.yd. Plateau St. $8,010; to M. L. Flinn Paving Co., 728 South Theresa Ave., asphalt paving 1,765 sq.yd. Pennsylvania St. $10,999; to Crean & Scott Constr. Co., Chouteau Trust Bldg., 3,395 sq.yd. McMillan St. $13,349; to Central Paving & Constr. Co., Ambassador Bldg., warrenite paving 7,250 sq.yd. Ashland St. $28,651; to Granite Bituminous Paving Co., Ry. Exch. Bldg., warrenite paving 2,470 sq.yd. New Haven St. $17,351, 1,335 sq.yd. Lawrence St. $9,549; warrenite bitulithic 12,-490 sq.yd. Labadie St. $63,940. Grand total $207,633. Noted June 14.

Public Bond Elections

Coming Bond Elections

Waterworks—Bismarck, Mo., Sept. 11, $47,000.
Waterworks and Sewers—Richland, Mo., Aug. 24, $65,000.
Waterworks—Gould, Okla., Aug. 21, $30,000.
Sewage System—El Cayon, Calif., $40,000.
Paving—Halletsville, Tex., $75,000.
Paving—Palestine, Tex., Sept. 15, $60,000.
School—Parma (br. Cleveland), Nov. 6, $250,000.
State Building—Los Angeles, Calif., Aug. 28, $1,000,000.

Bonds Voted

Incinerator—Waco, Tex., $30,000, R. E. McAdams, City Mgr.
Paving—Pleasant Hill, Mo., $25,000.
Roads—Waller County, Tex., Prect. 1, $250,000, J. J. Perry, Hempstead, Co. Engr.

Bonds Defeated

Roads—Waller County, Tex., Prect. 6, $100,000.
Paving—Fulton, Mo., $30,000.

Buildings—Commercial

Proposed Work

Me., Augusta—OPERA HOUSE—Colonial Theatre, W. B. Williamson, plans by Bunker & Savage, 254 Water St., remodeling 4 story, basement, 105 x 170 ft., brick, steel, plain found., Water St. $150,000.

Mass., Boston—STORES and OFFICES—Boylston Market Association, c/o Shepard & Stearms, archts., 65 Franklin St., altering 6 story, basement, brick, plain found., stores and offices, Boylston and Washington Sts. Est. $150,000.

Mass., Cambridge—STORE and APARTMENT—F. Hall, c/o E. I. Leeds, archt., 46 Cornhill, Boston, 3 story, basement, 103 x 165 ft. brick, stone, plain found., stores and apartment, 1012-1022 Mass Ave. $200,000.

Mass., Fall River—THEATRE—W. J. Dunn, Academy Bldg., sketches by E. G. Bullard, 908 Purchase St., New Bedford, 1 story, basement, brick, steel, plain found., South Main and Pleasant Sts. $250,000. Noted Feb. 23.

Mass., Great Barrington—HOTEL—O. F. Hall, soon takes bids alterating and reconstructing 4 story, basement, 50 x 125 ft. with 30 x 70 ft. wing, brick, steel, fireproof, plain found., Main St. $150,000. Private plans.

N. Y., Brooklyn — APARTMENT — Browner Constr. Co., 412 Sterling St., plans by E. M. Adelsohn, 26 Court St., 6 story, brick, timber, Clarkson and East 93rd Sts. $225,000.

N. Y., Brooklyn—APARTMENT—Filer Realty Corp., H. Shaffer, pres., 44 Court St., plans by P. Freshman, 50 Court St., brick, timber, Ave. N. and East 34th St. $170,000.

N. Y., Brooklyn—APARTMENT—Katber Realty Corp., J. Katz, pres., 46 East 54th St., plans by W. Levy, 1753 Pitkin St., 6 story, 86 x 100 ft., brick and timber, Ave. C and East 5th St. $200,000.

N. Y., Brooklyn—APARTMENT—Zinbar Realty Co., 301 East 8th St., B. Zunick, pres., plans by Seelig & Finkelstein, 66 Court St., 6 story, brick and timber, 67th St. and 2nd Ave. $250,000.

N. Y., Brooklyn—APARTMENT—Beveridge Court, Inc., L. W. Beveridge, pres., 371 Fulton St., plans by J. N. Linn, 371 Fulton St., 60 x 77 ft., brick, timber addition, East 29th St. and Glenwood Rd. $150,000.

N. Y., Brooklyn—APARTMENT—Eleven Twenty-two Ave. N, Corp., C. Happener, secy., 1122 Ave. N, plans by M. N. Weinstein, 93 Court St., 6 story, 120 x 155 ft., brick, timber, Ave. N and East 12th St. $400,000.

N. Y., Brooklyn—APARTMENT—Twenty-four Hundred Kingshighway Corp., B. Levinson, secy., 177 East 15th St., plans by Seelig & Finkelstein, 66 Court St., 4 story, 117 x 169 ft., brick, timber, Kingshighway and Mansfield Pl. $175,000.

N. Y., Brooklyn—APARTMENTS—Carroll Park View Realty Corp., L. Posner, secy., 611 Empire Blvd., plans by Cohn

Buildings—Commercial (Continued)

Bros., 361 Stone Ave., two 6 story, 111 x 179 ft., brick, timber, President St. and Classon Ave. $700,000.

N. Y., Brooklyn—STORE and APARTMENT—E. & G. Constr. Co., J. Eisenberg, pres., 50 Court St., plans by W. A. Laurenza, 26 Court St., 3 story, brick, timber, 18th Ave. and 55th St. $200,000.

N. Y., New York—APARTMENT—Kingsbridge Improvement Corp., S. Kinskoff, pres., 2363 Grand Concourse, plans by E. Roth, 1440 Bway., 19 story, 100 x 250 ft., brick and steel, 43 East 58th St. $3,000,000.

N. Y., New York — APARTMENT — Godmar Realty Co., A. Godoff, pres., 469 7th Ave., plans by Schaefer & Rutkins, 2409 Grand Concourse, 6 story, 86 x 200 ft., brick and timber, 2167 Amsterdam Ave. $375,000.

N. Y., New York — APARTMENT — Brownwall Realty Co., Inc., L. Romenoff, pres., 2034 Davidson Ave., plans by G. W. Swiller, 4215 3rd Ave., 6 story, 135 x 150 ft., brick and timber, Wallace and Bronxdale Aves. $175,000.

N. Y., New York — APARTMENT — B. & C. Nieberg Constr. Corp., B. Nieberg, pres., 4560 Bway., plans by Lang & Rosenberg, 1440 Bway., 6 story, 92 x 279 ft., brick and timber, Sacket Ave. and Williamsbridge Rd. $400,000.

N. Y., New York — APARTMENT — Westland Improvement Co., S. Shapiro, pres., 33 West 42nd St., plans by Springsteen & Goldhammer, 40 East 49th St., 6 story, 85 x 100 ft., brick, timber, 413 West 24th St. $200,000.

N. Y., New York—BANK and OFFICE—American Exchange-Irving Trust Co., 60 Bway., plans by Voorhees, Gmelin & Walker, 101 Park Ave., 46 story, brick, steel, 1-7 Wall St. $5,000,000. Noted May 10.

N. Y., New York—CLUB and HOTEL—Club Hotel Corp. of New York, H. Barth, pres., 116 West 72nd St., plans by F. M. Andrews, c/o owners, 16 story, 50 x 197 ft., brick and steel, $1,300,000.

N. Y., New York — GARAGE and ANIMAL HOUSE — Rockefeller Institute for Medical Research, 66th St. and Ave. A, plans by Coolidge, Shepley, Bulfinch & Abbott, 1 Court St., Boston, Mass., 4 story, 40 x 84 ft., 64th St. and Ave. A. $250,000.

N. Y., New York—LOFT—E. J. Nathan, 441 West End Ave., plans by Gronenberg & Leuchtag, 1385 Bway., 6 story, 89 x 136 ft., brick, Bank and Greenwich Sts. $375,000.

N. Y., New York—LOFT and STORE—Twenty-Five West 46th St. Corp., 31 East 27th St., S. Stern, pres., plans by W. C. Sommerfeld, 31 Union Sq., 15 story, brick and steel, 21 West 46th St. $500,000.

N. Y., New York—STORE and OFFICE—Three Hundred Eighty Five Fifth Ave. Corp., H. Mandel, pres., 1 Park Ave., plans by Farrar & Watmough, 1 Park Ave., 14 story, 49 x 100 ft., brick, steel, 5th Ave. and East 36th St. $500,000.

N. J., Camden—HALL of RECORDS—Bd. Comrs., City Hall, sketches by Edwards & Green, 548 Federal St., brick, steel, plain found. Market, Arch, 5th and 6th Sts. $6,000,000. Noted Mar. 22.

N. J., Hoboken—APARTMENT—Marlboro Co., J. J. O'Leary pres., 730 Hudson St., sketches by F. W. Fischer, 68 Hudson St., 8 story, basement, brick, steel, plain found., 1013-19 Washington St. $500,000.

N. J., Irvington (br. Newark)—APARTMENT—Owner, c/o J. B. Acocella, archt., 9 Clinton St., Newark, 3 story, basement, 70 x 110 ft. brick, steel, plain found., Stuyvesant and Prospect Aves. $150,000.

N J., Jersey City — APARTMENT — owner c/o C. Shilowitz, archt., Labor Bank Bldg., 5 story, basement, brick, steel, plain found. Kensington Ave. $150,000.

N. J., Jersey City—APARTMENT—C. Zerman, 157 Harrison St., East Orange, sketches two 5 story, basement, 117 x 129 ft., brick, steel, plain found., 252-278 Harrison Ave. $1,000,000. Engineer and architect not announced.

N. J., Jersey City—GARAGE—H. Burstyn & A. Heftler ,209 30th St., Woodcliff, sketches by C. Shilowitz, Labor Bank Bldg., 8 story, basement, rein.-con., brick, steel, plain found. Bergen Ave. and Academy St. $500,000.

N. J., Newark—GARAGE—Owner c/o F. Koenihsheger, archt., 48 Walnut St., 3 story, basement, 50 x 200 ft., rein.-con. brick, steel, plain found. $150,000.

N. J., Newark—GARAGE—Clinton Street Garage, Inc., 297 Market St., plans by G. Jones, 24 Commerce St., 6 story, basement, 55 x 120 ft., rein.-con., brick, steel, plain found. 65-67 Clinton St. $150,000.

N. J., Perth Amboy—ARMORY—State of New Jersey, Trenton, sketches by G. M. Ricci, 224 Smith St., 2 story, basement, brick, steel, plain found.. Lewis Ave. $150,000.

N. J., Ventnor (br. Atlantic City) — APARTMENT — C. Froeb, Jr., Atlantic City, sketches by O. Schmidt, Union Natl. Bank Bldg., Atlantic City, 8 story, basement, brick, steel, plain found., Atlantic and Troy Aves. $250,000.

Pa., York—HOSPITAL and NURSES HOME—Ballinger Co., archts. and engrs., 105 South 12th St., Phila., bids late in August, hospital and nurses home, for York General Hospital, 905 South George St. $1,500,000. S. S. Goldwater, Mt. Sinai Hospital, New York, consult. Noted Mar. 29.

Pa., Phila.—HOSPITAL—Penn Treaty Hospital, S. A. Petner, pres., 4455 East Thompson St., plans hospital, Girard Ave. and Fletcher St. $150,000. Engineer and architect not selected.

N. C., Charlotte — ARMORY and CONVENTION HALL — City, plans by M. R. Marsh, 2 story, 100 x 200 ft., brick, steel, Cecil St. $150,000.

O., Cleveland—PARKING GARAGE—Thirteen Fifty Three Chester Co., M. Marmorstein, pres., plans by Humy Motor Ramp Co., 21 East 40th St., New York, 6 story, basement, 88 x 105 ft., rein.-con., brick, East 13th St. and Chester Ave., $350,000.

Ind., Indianapolis — APARTMENT — Mothershead & Fitton, 542 North Meridian St., 3 story, basement, 40 x 120 ft., rein.-con., brick, steel, 960 North Pennsylvania St. $150,000. Private plans.

Wis., Milwaukee—OFFICE—Northwestern Mutual Life Insurance Co., 210 East Wisconsin Ave., plans by Holabird & Root, 333 North Michigan Ave., Chicago, Ill., 8 story, basement, office, Mason St. $3,000,000.

Wis., Milwaukee—OFFICE—Northwestern Natl. Insurance Co., 168 East Wisconsin Ave., plans by Holabird & Root, 333 North Michigan Ave., Chicago, Ill., 6 and 8 story addition, 168 East Wisconsin Ave. $500,000.

Tex., El Paso—HOTEL—H. L. Hussman, c/o Hussman Hotel, plans by G. L. Frazer, El Paso, 9 story, 300 room capacity, rein.-con., brick, stone and steel, hotel, Mesa Ave. $500,000.

Tex., Houston — OFFICE—Southwestern Bell Telephone Co., 1101 Capitol St., 4 story top addition, office, 1101 Capitol St. $350,000.

Tex., McAllen—HOTEL—J. P. Morris, 809 Brady Bldg., San Antonio, 7 story, part basement, 60 x 90 ft., brick, rein.-con., hollow tile, concrete pile found., hotel, own forces. $150,000.

Tex., Mercedes—HOTEL—M. Hessel and Associates, Edinburg, sketches, 6 story, part basement, fireproof hotel, $250,000.

Colo., Pueblo—HOTEL—B. A. Shomaker and W. M. Whitsett, Box 111, Pueblo, plans by W. De Mordaunt, 738 First Natl. Bank Bldg., Pueblo, 5 story, brick, steel, concrete, fireproof, 9th and Main Sts. $150,000.

Calif., Hemet — HOTEL — Hemet Hotel Co., plans by O. L. Clark, Chapman Bldg., Los Angeles, 3 story, basement, brick, hotel, $150,000.

Calif., Huntington Park—HOTEL, STORE and THEATRE—N. Williams, plans by A. G. Bailey, 410 Hillstreet Bldg., Los Angeles, 6 story, basement, 72 x 114 ft., rein.-con., steel, Pacific Blvd., $250,000.

Calif., Los Angeles — APARTMENT — Owner, c/o R. A. Hill, archt., 1018 Pershing Sq. Bldg., sketches 13 story, basement, sub-basement, 120 x 150 ft., rein.-con., stone, incl. garage space for 100 cars, Wilshire Dist. $1,000,000.

Calif., Los Angeles—BANK and OFFICE—A. Kress, G. R. Dexter and E. R. Smith, Guarantee Bldg., Hollywood, plans by A. Curlett, 1012 Union Bank Bldg., 12 story, basement, 42 x 90 ft., rein.-con., incl. 1 story shop building, Hollywood Blvd. and Vine St. $500,000 or more.

Calif., Los Angeles—GARAGE—J. Toplitzsky, H. W. Hellman Bldg., plans by K. Macdonald, Jr., Spring Arcade Bldg., 12 story, 75 x 155 ft., rein.-con., Hill St., $150,000 or more.

Calif., Los Angeles—OFFICE—I. N. Van Nuys Building Co., plans by Morgan, Walls & Clemens, 1135 Van Nuys Bldg., 5 story, basement, sub-basement, 60 x 155 ft. addition, 719 South Spring St. $150,000.

Calif., Los Angeles — STORE and OFFICE—Wilshire Center Holding Co., plans by Morgan, Walls & Clements, 1135 Van Nuys Bldg., 2 story with 5 story tower, 140 x 280 ft., rein.-con., timber, Wilshire Blvd., $150,000 or more.

Calif., Los Angeles — STORES and OFFICES—Wilshire Center Holding Corp., sketches by Morgan, Walls & Clements, Van Nuys Bldg., 2 story (5 story, tower), 258 x 140 ft., brick, concrete, Wilshire Blvd. $150,000.

Calif., San Bernardino — HOSPITAL — Sisters of Incarnation, St. Mary's Hospital, Long Beach, plans Class "A" hospital, $500,000. Engineer and architect not selected.

Calif., San Francisco—APARTMENT—H. C. Baumann, archt., 251 Kearny St., 24 story, basement, Class "A" apartment, Green and Leavenworth Sts., for Western Management and Finance Co., Crocker 1st Natl. Bank Bldg., $750,000 or more.

Calif., San Francisco—APARTMENT—B. Liebman, 1555 Francisco St., plans two 3 story, basement, stucco, Scott and Jefferson Sts., $150,000.

Calif., San Francisco — BANK and OFFICES — American Trust Co., 464 California St., plans by C. R. Collupy, 464 California St., 2 story, rein.-con., Fillmore and O'Farrell Sts. $150,000. Noted Mar. 1.

Calif., San Rafael — HOTEL — Kernan Robson, San Anselmo, plans by F. H. Allen, 232 Main St., San Anselmo, 3 story, Class "A" hotel, Lincoln and 4th Aves., $200,000.

Que., Montreal—APARTMENT HOTEL—E. E. Workman, 445 Cote des Nieges Rd., plans by D. R. Brown, Beaver Hall Kill, 20 story, rein.-con., steel, stone front, fireproof, $7,000,000.

Que., Montreal—GARAGE—Zetland Garage Ltd., c/o A. J. Wright, engr., 223 Sherbrooke St. W., soon take bids 7 story, rein.-con., St. Henry St. $400,000. Private plans.

Ont., Toronto—APARTMENT—Eighty-Eight Broadway Ltd., c/o E. J. Hunter, 250 Heath St. E., plans by V. L. Morgan & Co., 317 St. Clements Ave., and soon take bids 3 story, basement, 45 x 170 ft., rein.-con., brick, steel, plain found., Broadway Ave. $150,000.

Ont., Toronto—APARTMENT—J. Laughlin, 249 Bellwoods Ave., 3 story, basement, rein.-con., brick, steel, stone, plain found., Atlas Ave. $160,000. Engineer and architect not selected.

Ont., Toronto—STORE and OFFICE—Robins Ltd., Natl. Bldg., plans by S. B. Coon & Sons, 4 St. Thomas St., 2 or 3 story, basement, rein.-con., brick, steel, plain found., Bellair St. $150,000.

Bids Desired

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. J., Atlantic City — APARTMENT — C. F. Wahl, c/o V. B. Smith, archt., Guarantee Trust Bldg., bids about Aug. 31, 6 story, basement, brick, steel, plain found., 33 South Panna Ave., $450,000.

N. J., Camden—BANK and OFFICE—Aug. 22, by Rankin & Kellogg, archts., 1805 Walnut St., 5 story, basement, 70 x 120 ft., rein.-con., brick, steel, plain found., Bway. and Market St., for Camden Safe Deposit & Trust Co., 224 Federal St. Noted Nov. 17, 1927.

N. J., Hackensack—GARAGE—H. V. Keenan, 29 State St., bids about Oct 1, 5 story, basement, rein.-con., brick, steel, plain found., State St., $200,000. J. L. & L. Tillack, 173 Main St., archt.

N. J., Irvington (br. Newark)—APARTMENT—See "Contract Awarded"

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Passaic—COMMUNITY CENTER—Ahavas Isarel, 171 Howard St., bids about Oct. 1, 5 story, basement, 100 x 150 ft., brick, steel, plain found. 41 Van Houten Ave., $150,000. Preiskel & Skvarla, 2 Lexington Ave., archts. Noted Aug. 9.

N. J., Perth Amboy—LOFT and STORE—G. M. Ricci, archt., 224 Smith St., taking bids 2 story, basement, 75 x 135 ft., brick, steel, plain found., New Brunswick Ave., for A. Kaufman, 239 State St., $150,000.

N. J., Teaneck — APARTMENT — See "Contracts Awarded."

N. J., West Orange — APARTMENTS—See "Contracts Awarded."

N. C., Raleigh—BANK—Raleigh Banking and Trustees, bids about Sept. 9, 3 story (ultimately 11), 66 x 114 ft. bank, $300,000.

La., New Orleans—BANK—Sept. 4, by M. H. Goldstein, archt., Hibernian Bank Bldg., 21 story, rein.-con., steel, wood pile found., Common St., for American Bank & Trust Co., Carondelet St. $1,500,000. Noted Feb. 23.

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Buildings—Commercial (Continued)

Pa., Waynesburg—HOSPITAL—Aug. 21, by Waynesburg Hospital Assn. and H. W. Altman, archt., Fayette Title & Trust Bldg., Uniontown, 3 story, basement hospital, 7th and 8th Sts. $250,000. Noted Mar. 29.

O., Columbus — SAFETY BUILDING — City of Columbus, W. H. Duffy, dir. of Serv., taking bids 5 story, basement, 17,000 sq.ft. floor space brick, stone, concrete, Water St. $600,000. Allied Architects Assoc., 82 West Broad St.

O., Elyria—THEATRE and HOTEL—J. Pekras, bids about Oct. 3, theatre and hotel, 150 rooms, etc. Eastau and Badad Sts. $150,000.

Ill., Chicago—STORE and OFFICE—Aug. 20, by A. S. Alschiler, Inc., archt., 28 East Jackson Blvd., 23 story, basement, 60 x 180 ft., steel, caisson found., 23-20 West Randolph St., for J. R. Thompson Co., 350 North Clark St.

Kan., Independence—HOSPITAL—Aug. 28, by Sisters of Mercy Hospital, 5 story, basement, 100 x 140 ft., rein.-con., brick, stone addition. Noted June 28.

Mo., St. Louis—OFFICE—Arlington Investment Co., c/o Manske & Bartling, archts., 410 North Euclid Ave., taking bids 15 story, basement, 19 x 106 ft., rein.-con., brick, stone, steel, terra cotta, 14th and Olive Sts. $750,000.

Tex., Ft. Worth—HOTEL—Aug. 29, by C. A. O'Keefe, 520 South Summit St., 18 story, basement, 100 x 100 ft., rein.-con., brick, steel and terra cotta, 5th and Main Sts. $700,000. Mauran, Russell & Crowell, 1620 Chemical Bldg., archts., and E. G. Withers, 401 Holmes Bldg., associate archt. Noted June 21.

Tex., San Antonio—OFFICE and GARAGE—Sept. 1, by J. M. Nix, 205 East Travis Bldg., 18 story, L-shaped, 136 x 114 x 168 ft., rein.-con., steel, plain found., office and garage, Navarro and College Sts., $1,500,000. H. T. Phelps, c/o Hicks Bldg., archt. Noted July 26.

Wash., Seattle — APARTMENT — W. Brust, archt., Republic Bldg., takes bids about Aug. 30, 5 story, basement, concrete, brick, steel, North 53rd St., for Wood Ridge Invest. Co., c/o archt. $500,000.

Wash., Vancouver — OFFICE — Vancouver Investment Co. takes bids about Aug. 19, 6 story, basement, 100 x 100 ft., rein.-con., plain found., 80th and Main Sts. $200,000. C. B. Lake, Longview, archt.

Calif., Los Angeles—HOSPITAL—Aug. 27, by Bd. Supervs. Los Angeles Co., 13 story, basement, sub-basement, 400 x 600 ft., rein.-con., steel, Mission Rd. $8,000,000.

Calif., Pomona — EXPOSITION — Aug. 27, by Supervs. Los Angeles Co., Los Angeles, 135 x 800 ft., rein.-con., exposition building. $160,000. Noted May 17.

Contracts Awarded

Mass., Boston—HEALTH UNIT—City, G. E. White Fund, city hall, 3 story, basement, brick, granite, limestone, plain found., health unit, High, Elm and Summer Sts. to Joseph Rugo, 80 Boylston St. $239,440. Noted June 26.

Mass., Boston—STORES and OFFICES—P. Basile, 20 Taft Place, Rosindale, 3 story, basement, brick, stone, plain found., stores and offices, Washington and Popular Sts., to Hub Constr. Co., 333 Washington St., Boston. Est. $155,000. Noted Aug. 2.

Conn., Norwalk—STORE and OFFICE—W. F. Bishop, Birch St., 4 story, basement, 75 x 100 ft., brick, stone, steel, office and store, Wall St. to W. Lyons, 9 Mechanic St. Est. $150,000. Noted June 5.

N. Y., Brooklyn — APARTMENT — Bedford Constr. Co., H. Lundenbaum, pres., 71 Court St., 6 story, 97 x 110 ft., brick, timber, Crooke Ave. and St. Paul Pl., separate contracts. $200,000. M. A. Cantor, 66 Court St., archt.

N. Y., New York—HOME—Peabody Home Corp., E. K. Warren, pres., 2064 Boston Rd., 5 story, basement, 50 x 140 ft., home, to Edward Corning Co., 145 East 45th St. Est. $250,000. Noted Aug. 2.

N. J., Atlantic City—HOTEL—Rankin & Kellogg, archts., 1805 Walnut St., Phila., Pa., 16 story, basement, rein.-con., brick, steel, addition, to Haddon Hall Hotel, plain found.; also 6 story, basement garage, North Carolina Ave. and Boardwalk, to Turner Constr. Co., 17th and Walnut Sts., Phila. Pa., for Leeds & Lippencott Co. Est. $6,000,000. Noted July 12.

N. J., Atlantic City — HOTEL — Hotel Morton, c/o W. M. Stanton, archt., Land Title Bldg., Phila. Pa., general contract 6 story, basement, brick, steel, plain found. to J. Mathis & Son, Guarantee Trust Bldg., Atlantic City. Est. $200,000.

N. J., Atlantic City — THEATRE — Embassy Theatre, c/o Hoffman & Henon Co., archts., 16th and Chestnut Sts., Phila. Pa., general contract 4 story, basement, rein.-con., brick, steel, plain found. Arkansas Ave. and Boardwalk, to C. P. Tilton, 4 South Virginia Ave. Est. $4,000,000. Noted July 12.

N. J., Irvington (br. Newark)—APARTMENT—N. Grandt & I. Sevada, 15 Fessenden Pl., Newark, 3 story, basement, 70 x 110 ft., brick, steel, plain found., Stuyvesant and Prospect Aves., separate contracts. $150,000.

N. J., Newark — APARTMENT — Gibbs Building & Constr. Co., 548 Rutherford Ave., Lyndhurst, 5 story, basement, 120 x 165 ft., brick, steel, plain found. 502-4 Summer Ave., separate contract. $260,000. Noted Aug. 9.

N. J., Newark — APARTMENT — S. Schwartzberg, 74 Shepard Ave., 5 story, basement, 100 x 120 ft., brick, steel, plain found. 56 West Kinney St., separate contract. $150,000.

N. J., Newark—APARTMENT—Webster Impvt. Co., 24 Branford Pl., 5 story basement, 80 x 130 ft., brick, steel, plain found., 789-91 Bway., $300,000, and 5 story, basement, 85 x 145 ft., brick, steel, plain found., 769-79 Bway., separate contracts. $200,000.

N. J., Orange—APARTMENT—The Bilt-Well Co., 135 Hill St., 4 story, basement, (2nd unit), 94 x 104 ft., brick, steel, plain found., Whitehall Pl. and Scotland Rd., by separate contracts. $160,000. Noted Aug. 2.

N. J., Summit — BANK — B. V. White, archt., 29 West 34th St., New York, 3 story, basement, 57 x 125 ft. brick, steel, plain found., Springfield Ave., to R. Hinnan, 6 Highland Ave., for Summit Trust Co., 367 Springfield Ave. Est. $150,000. Noted June 14.

N. J., Summit—OFFICE and STORE—R. S. Shapter, archt., 23 Maple St., general contract 5 story, basement, brick, steel, plain found., Springfield Ave. and Beechwood Rd., to Wigton-Abbott Corp., 552 West 23rd St., New York, for Summit Development Co., c/o archt. Est. $200,000. Noted May 10.

N. J., Teaneck—APARTMENT—Manor Arms, Inc., Cedar Lane, 3 story, basement, brick, steel, plain found., Cedar Lane, by separate contracts. $200,000.

N. J., West Orange—APARTMENTS—J. Anteloro, 45 Watson Ave., two 3 story, basement, brick, steel, plain found., 45-47 Watson Ave., separate contracts. $150,000. Noted Aug. 9.

Pa., Pittsburgh — FIRE and POLICE STATION — City Controller, 3 story, basement, 60 x 125 ft., brick, steel, concrete, to M. Parker, 3153 Ewart Pl., for City, Dpt. P. Safety. Est. $350,000. Noted July 26.

Pa., Phila. — HOSPITAL—Pennsylvania Hospital, 49th and Market Sts., 4 story, basement, irregular shaped, rein.-con., brick, steel, plain found., to Turner Constr. Co., 1700 Walnut St. Est. $1,000,000.

Tenn., Memphis—OFFICE—W. C. Hedrick, & R. S. Sterling, 1005 1st Natl. Bank Bldg., Ft. Worth, Tex., 29 story, basement, brick, 3rd and Madison St. to Bellows and McClay, contr. Co., Kirby Bldg., Dallas, Tex. Est. $2,000,000. Noted July 12.

Tenn., Memphis — WORK HOUSE — Shelby Constr. Co., 1 and 2 story, 200 x 300 ft., male prison; 100 x 150 ft., woman's prison; 75 x 260 ft., machine shop; 26 x 75 ft., tool and truck storage, Mullins Station to B. E. Buffalo, 658 East St. Est. $450,000.

Ky., Louisville—STORAGE GARAGE—H. J. Caperton, 419 West Jefferson St., 3 story, basement, 161 x 210 ft., brick, steel, stone storage garage, bowling alley, hall, Third and Guthrie Sts. to Castlewood Realty Co., McDowell Bldg. Est. $375,000.

Ind., Ft. Wayne — HOSPITAL — St. Joseph Hospital, general contract, 7 story, basement, 80 x 230 ft., rein.-con., brick, steel, to M. Irmscher & Sons, 1113 First Natl. Bank Bldg. Est. $750,000. Noted July 5.

Ill., Chicago—APARTMENT—Syndicate, general contract 13 story, basement, 85 x 100 ft., rein.-con., brick, stone, 2912 Commonwealth Ave., to Rosenthal, Mayer and Lewis, 77 West Washington St. Est. $1,500,000. Noted May 24.

Ill., Chicago — GARAGE — Fox & Fox, archts. 38 South Dearborn St., 5 story, basement, 80 x 140 ft. L shaped rein.-con., brick, stone, State and 11th Sts., to H. A. Hanson Co., 608 South Dearborn St., for C. J. Vopicka, 431 North Michigan Ave. Noted Apr. 12.

Minn., Minneapolis — HOSPITAL — Swedish Hospital, W. Mills, supt., 7th Ave. and 7th St., general contract 3 story, basement, rein.-con., brick, stone addition, to M. Madsen Co., 717 Natl. Bldg. Est. $350,000. Noted July 26.

Mo., St. Louis—COMMUNITY and CLUB—J. Heim, archt., 922 Holland Bldg. 3 story, basement, 115 x 185 ft., rein.-con., brick, stone, terra cotta, 2345 Lafayette St., to A. H. Haeseler Building & Constr. Co., Wainwright Bldg., for German House, Inc. J. Toensfeldt. Est. $300,000. Noted July 26.

Mo., St. Louis — HOSPITAL — Missouri Baptist Sanitarium, 919 North Taylor Ave., 4 story, basement, 48 x 138 ft. and 43 x 58 ft., rein.-con., brick, stone addition, Taylor Ave., to Murch Bros., Constr. Co., Ry. Exch. Bldg. Est. $300,000. Noted May 10.

Mo., St. Louis—PASSENGER DEPOT—R. E. Mohr, archt., 1765 Ry. Exch. Bldg., 2 story, 50 x 100 ft. rein.-con., brick, stone, terra cotta depot and 2-track, 800 ft. train shed, to Dwight P. Robinson Co., Inc., 125 East 46th St., New York, for Wabash Ry. Co., R. H. Howard, ch. engr., Reading Exch. Bldg. Est. $350,000. Noted July 5.

Ark., Texarkana — CITY HALL — City, c/o clerk, general contract 3 story, basement, rein.-con., brick, stone, to Stewart-McGehee Constr. Co., Kahn Bldg., Little Rock, $231,200. Noted July 19.

Tex., San Antonio—THEATRE and OFFICE—Interstate Amusement Co., c/o K. Hoblitzelle, Dallas, general contract, superstructure 15 story, basement, 45 x 167 ft., and 7 story, 135 x 168 ft., theatre and office, Houston St., to American Constr. Co., Gulf Bldg., Houston, $600,000. Est. $2,500,000. Noted July 12.

Tex., Texarkana — CITY HALL — City, c/o S. C. Nancarrow, mayor, 3 story, basement, 114 x 140 ft., brick, stone, rein.-con., city hall to Stewart-McGehee Constr. Co., Kahn Bldg., Little Rock, Ark., $231,200. Noted May 3.

Wash., Seattle—APARTMENT—A. C. Dunlap, c/o C. Haynes, archt., Lloyd Bldg., 6 story, basement, fireproof apartment, incl. 40-car garage, 1741 Belmont Ave., to Pacific States Constr. Co., Lloyd Bldg. Est. $155,000.

Ore., Roseburg — COURT HOUSE — Douglas Co., G. K. Quinn, judge, general contract 3 story, basement, 80 x 140 ft., rein.-con., Court House Sq., to E. R. Metzger, Roseburg. $148,515. Noted June 21.

Calif., Long Beach — APARTMENT — C. E. Hamlin, 4 story, basement, brick, 64 apartments, Chestnut St., to W. Rohrbacher, Santa Ana. $155,500.

Calif., Los Angeles—APARTMENT—C. E. Williams, 908 South Hobart Blvd., 5 story, basement, 60 x 130 ft., brick, South Hobart Blvd., to Bard & Co., 315 East 9th St., Los Angeles, $150,000.

Calif., Los Angeles—APARTMENT—Ray Investment Co., part 4 and 5 story, 75 x 140 ft., rein.-con., brick, Alvarado Terrace, to W. Allen, 917 Pacific Natl. Bank Bldg., Los Angeles, $155,000.

Calif., Los Angeles — APARTMENT — T. V. Dutton, c/o contractor 5 story, basement, rein.-con., 5th St. and Burlington Ave., to Dutton The Home Fynder, 104 North Glendale Blvd., Glendale, $160,000. Noted June 14.

Calif., Los Angeles—APARTMENT—R. S. Anderson, c/o Finance Bldg., Brokerage Co., 912 Story Bldg., 4 story, 50 x 156 ft., brick, 1367 North Vermont Ave., to E. N. Frame, 11757 South Figueroa St., $150,000.

Calif., Los Angeles—APARTMENT HOTEL—Barco Investment Co., 656 South Los Angeles St., 12 story, basement, 95 x 135 ft. rein.-con., steel, Rossmore Ave., to W. D. Lee, 315 East 8th St., $500,000.

Calif., Los Angeles—LOFT—Fiske Tire Co. Inc., 1328 Sta. Fe. 3 story, 110 x 152 ft., rein.-con., 35th and Hope Sts., to J. M. Cooper 322 River-Strong Bldg., Los Angeles, $200,000.

Calif., Los Angeles — OFFICE and STORE — Richfield Oil Co., Bartlett Bldg., 12 story, basement, 121 x 175 ft., rein.-con., steel, 6th and Flower Sts., to P. J. Walker Co., Garland Bldg., $2,500,000.

Calif., Pasadena — HOTEL — Owner c/o Marston & Maybury archts., 10 story, basement, hotel, Colorado St. and Oak Knoll Ave., to Orndorff Constr. Co., 247 North Western Ave., Pasadena, $1,300,000.

Calif., San Bernardino—APARTMENT—Simon, Quinby Bldg., Los Angeles, 4 story, basement, 95 x 150 ft., brick, apartment, 6th and F. Sts., to Salih Bros., Quinby Bldg., Los Angeles, $150,000.

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Buildings—Commercial (Continued)

Calif., San Francisco — INFANT SHELTER—San Francisco Shelter, 2 story, frame, stucco, Ortega St. and 19th Ave., to G. P. W. Jensen, 320 Market St., San Francisco, $165,000.

Calif., San Francisco — STORE and LOFT — Seare-Roebuck Co., (represented by H. Rutherford), 2440 Bway. 3 story or more 100,000 sq.ft. floor space, Army, Valencia, Mission and Army Sts., to Scofield Eng. Co., 621 South Hope St., Los Angeles, est. $1,500,000.

B. C., Vancouver — OFFICE and GARAGE — Syndicate, c/o McCarter & Nairne, archts., 509 Richards St., 12 story, 165 x 120 ft. office, 4 story, 70 x 120 ft. garage, rein.-con., brick, stone, granite, plain found., Georgia and Hornby Sts., to Carter-Halls-Aldinger Co. Ltd., 500 Beatty St. $1,200,000.

Buildings—Industrial

Proposed Work

Mass., Boston — FACTORY — Terkelsen Machine Co., 326 A St., Cambridge, plans by F. E. Leland, 238 Main St., Cambridge altering and 2 story, brick addition, plain found., A St.

Mass., Cambridge — MANUFACTURING and STORAGE—Crane Co., 799 Boylston St., Boston, 5 story, 90 x 475 ft., brick, rein.-con., manufacturing and storage, Vassar St. To exceed $40,000.

Conn., Bridgeport—PLANT—Huntington Aircraft Corp., H. Huntington, pres., Newfield Bldg., plans 1 and 2 story, 40,000 sq.ft. airplane plant. To exceed $100,000.

Conn., Bristol—FACTORY—E. Ingram Co., 392 North Main St., plans by M. J. Unkelbach, 52 Main St., New Britain, 5 story, 50 x 162 ft., brick, North Main St. $100,000.

Conn., Hartford—BAKERY and OFFICE—Federal Bakeries, Inc., 218 Brady St., Davenport, Ia., plans by E. S. Holbrook, Davenport, Ia., brick, rein.-con., bakery and office, State St. To exceed $40,000.

N. Y., Brooklyn—COKE SCREENING PLANT—Brooklyn Union Gas Co., 176 Remsen St., plans by Koppers Constr. Co., Union Trust Bldg., Pittsburgh, Pa., 42 x 104 ft., Gardener Ave. $175,000.

N. Y., Brooklyn — FACTORY — C. H. Schultz Corp., 430 1st Ave., New York, plans by Francisco & Jacobies, 511 5th Ave., New York, three 5 story buildings, Berry and 11th Sts. $250,000.

N. Y., New York—SERVICE GARAGE—Arnold Constr. Corp., A. Bashein, pres., 261 Bway., plans by Moore & Landsiedel, 509 Willis Ave., 107 x 112 ft. brick and concrete garage Mott Ave. and 140th St. $40,000.

N. Y., New York—SERVICE GARAGE—Louis Held & Sons, Inc., 810 East 168th St., plans by Ginsberg, 222 East 42nd St., 1 story, 57 x 203 ft., brick and concrete, Whitlock Ave. and 165th St. $40,000.

N. Y., New York—SERVICE GARAGE—Richbach Realty Corp., H. Richbach, pres., 534 East 72nd St., plans by W. Shary, 41 Union Sq., 4 story, 93 x 105 ft., brick and concrete garage, 407 East 61th St. $75,000.

N. J., East Orange—WORK SHOP and STORE—Scher & Albert, Inc., 9 Clinton St., Newark, plans by F. G. Hasselman, 34 Prospect St., 1 and 2 story, basement, 60 x 110 ft., brick, steel, plain found. Harrison St. $65,000.

N. J., Newark—WAREHOUSE—General Tube Co., c/o S. Cohen, archt., 134 Branford Pl., 4 story, basement, brick, steel, plain found., $150,000.

N. J., Orange—MILK DISTRIBUTION—Newark Milk & Cream Co., c/o W. E. Lehman, archt., 972 Broad St., Newark, 1 story, basement, 50 x 400 ft., rein.con., brick, steel, plain found., Main St. $75,000.

N. J., Perth Amboy — FACTORY — D. Goldsmith, c/o G. M. Ricci, archt., 224 Smith St., 2 story, basement, 60 x 75 ft. brick, steel, plain found. East Ave. $40,000. Noted Aug. 2.

Mich., Detroit—GYPSUM PLANT—U. S. Gypsum Co., Penobscot Bldg. and Chicago, Ill., rein.-con., steel, plain found., Davison and River Rouge Sts. Private plans.

O., Cleveland — CLEANER — National Scewe & Mfg. Co., 2440 East 75th St., 1 story, 65 x 84 ft., brick, steel, 2440 East 75th St., $40,000. Private plans.

Mich., Ferndale (br. Detroit)—FACTORY—Steel & Tubes, Inc., 224 East 131st St., Cleveland, Ohio. (1st unit), 210 x 516 ft., concrete, brick, steel factory. Sessions Eng. Co., 228 North LaSalle St., Chicago, Ill., engrs.

Mo., Joplin—PLANT—Meeker Advertising Co., 3rd and Michigan Sts., plans by Smith & Van Pelt, Natl. Bank Bldg., 2 story, irregular shaped, brick plant. $75,000. Lockwood, Green & Co., 400 North Michigan Ave., Chicago, Ill., engrs. Noted May 3.

Mo., Kansas City—BOTTLING PLANT—Coco-Cola Bottling Co., 2540 Pennsylvania Ave., plans by H. Von Unerth, Finance Bldg., 1 and 2 story, basement, rein.-con., brick addition. $100,000.

Mo., Kennett—LIGHT and POWER PLANT—D. Stroud, city clk., postponed taking bids indefinitely, light and power plant, for City. Noted June 17.

Tex., Atreco (mail Port Arthur)—OIL REFINERY—Atlantic Refining Co., 260 South Broad St., Phila., Pa., plans oil refinery on Neches River. $500,000. Private plans.

Tex., Flatonia — FACTORY — Flatonia Crate & Box Co., c/o C. A. Wheeler, factory, incl., sawmill. $40,000. Private plans.

Calif., Los Angeles — FACTORY — Bastian-Morley Co., La Porte, Ind., plans brick, steel, factory, 1½ acre site, East 59th St.

Ont., Queenston—QUARRY PLANT—Queenston Quarries, Ltd., concrete and timber addition. $40,000.

Bids Desired

N. J., Elizabeth—MILL—C. G. Poggi & W Bragdon, archts., 275 Morris Ave., taking bids altering 2 story, basement, 70 x 200 ft., brick, steel, plain found., Spring St., for Hitchings Co., 701 Spring St., $150,000.

Mo., St. Louis—FOUNDRY—See "Contracts Awarded."

Tex., San Antonio — PUBLISHING PLANT—Aug. 31, by Express Publishing Co., Navarro, Sr. and H. S. Green, c/o Alamo Nat'l Bank Bldg., archt., 5 story, part basement, with 3 story tower, 141 x 188 ft., brick, terra cotta, stone, marble, Ave. E and 3rd St. $250,000. Noted May 3.

Calif., Vernon—OIL REFINERY—Swift & Co., 916 East 1st St., Los Angeles, taking bids 2 and 4 story, 114 x 212 ft. rein.-con., hollow tile, pressed brick, 15 acre site.

Contracts Awarded

Mass., Everett—FACTORY—G. B. Torngren, 712 Broadway, 2 story, brick, plain found., Garden St., to C. Hebrick, 139 Buckman St. Est. $40,000. Noted June 7.

Mass., Fall River — ICE MANUFACTURING PLANT — Ice Utilities Co., c/o Funk & Wilcox, archts., 26 Pemberton Sq., Boston, 1 story, 100 x 150 ft., brick, steel, plain found., Lowell St. to Marden & Orlando, 46 Cornhill, Boston. Est. $100,000.

Mass., Lawrence — MANUFACTURING—Champion International Co., Canal St., 1 story, 55 x 240 ft., brick, steel, mill constr., plain found., manufacturing addition, Canal St., to L. E. Loche & Son, 801 Bay State Bldg. Est. $100,000.

Mass., Quincy — FACTORY — A. Hale Rubber Co., Linden St., 1 story, cement, plain found., factory addition and alterations, Linden St., Atlantic Section to Clark & Smith, 13 Temple St. $40,000 or more.

Mass., Salem — PLANT — Owner c/o York Ice Mchy. Corp., engrs. 200 Causeway St., Boston, 1 story, 100 x 150 ft., brick, plain found., ice plant, Franklin St., to Pitman and Brown, 11 Washington St. Est. $100,000. Noted June 21.

Conn., New Britain—MANUFACTURING PLANT—Goss & De Leeuw Machine Co., Berlin St., 1 story, 100 x 175 ft., brick and steel addition, to Aberthaw Co., 80 Federal St., Boston, Mass.

Conn., Stratford — PLANT — Raybestos Co., S. Simpson, pres., Railroad Ave., Bridgeport, 1 story, 100 x 360 ft., brick plant, to W. J. Saugnessy, Jr., Inc., Fairfield Ave., Bridgeport, Conn. $40,000 or more.

Conn., Waterbury—FACTORY—Bristol Bros. Platts Mills, brick addition to Tracy Bros., 52 Benedict St. Est. $40,000. Noted Aug. 2.

Ala., Tuscaloosa—POWER PLANT—Gulf States Service Co., power plant on Black Warrior River, incl. 7,500 kw. steam turbine and three 1,000 hp. boilers, to United Engineers & Constructors Inc., Broad and Arch Sts., Phila., Pa. $1,000,000.

O. Cincinnati—POWER PLANT—Christ Hospital, Auburn Ave., 1 story, rein.-con., steel, plain found. Auburn St., to J. & F. Harig Co., Queen City Ave., $108,000.

O., Cleveland—FACTORY and OFFICE—McKinney Tool & Mfg. Co., E. W. McKinney, pres., Roseland Ave. and Arabelle Rd., 60 x 60 ft. factory, 40 x 40 ft. office, both 1 story, brick, steel, Roseland Ave., to A. H. Moss, Berea. Est. $50,000. Noted July 26.

O., Willoughby—FACTORY—Ohio Rubber Co., 1 and 2 story, 99 x 146 ft., brick, steel addition, to Austin Co., 16112 Euclid Ave., Cleveland. Est. $50,000.

Ind., Indianapolis — FACTORY—Federal Foundry Co., 502 South Harris St., 50 x 56 ft. carpenter shop addition, 50 x 200 ft. lumber shed, 50 x 50 ft. brass foundry, 40 x 80 ft. core room addition, 37 x 40 sand bin addition, 20 x 100 ft. new sand bin, two 36 x 100 ft. flask buildings, 40 x 50 ft. pattern shop, all brick, steel, to James C. F. Shafer Co., Smythe Bldg., Cleveland, O.

Mich., Detroit—ENGINEERING, etc.—Hupp Motor Car Co., 3641 East Milwaukee St., 8 story, basement, rein.-con., brick, to Everett Winters Co., 1651 East Grand Blvd. Est. $1,500,000.

Wis., Appleton—PAPER PLANT—Appleton Coated Paper Co., C. S. Boyd, pres., 1200 West Mead St., general contract 1 story, basement, 107 x 240 ft., brick, steel addition, plain found., to C. R. Meyer & Sons Co., 50 State St., Oshkosh. Noted June 21.

Wis., Milwaukee—FIRE DEPARTMENT REPAIR SHOP—Dpt. P. Wks., R. E. Stoelting, comr., masonry, concrete, timber and tile flooring, for 2 story, 100 x 140 ft. Fire Dpt. Repair Shop, to Packolski & Daligalski, 448 Mitchell St., $58,888; steel, iron, metal doors, to Milwaukee Structural Steel Co., 42nd and Watertown Plank Rd. $27,135.

Wis., Milwaukee — FACTORY—International Harvester Co., 606 South Michigan Ave., Chicago, Ill., 3 story, basement, 108 x 302 ft., rein.-con., brick, steel addition, plain found., Park St. to Dohlman Constr. Co., 456 Bway. Noted July 19.

Mo., St. Louis—FOUNDRY Century Electric Co., E. S. Pillsbury, pres., 1806 Pine St., 1 story, basement, 242 x 262 ft., rein.-con., brick, steel, 3739 Market St., separate contracts and own forces. $200,000. Klipstein & Rathman, 316 North 8th St., archts. Noted Apr. 26.

Tex., Big Springs — OIL REFINERY PLANT—Big Spring Pipe Line Co., c/o C. Groff, Douglas Hotel, 5,000 bbl. capacity refinery plant near here. $100,000. Owner builds.

Wash., Wenatchee—COLD STORAGE—Wenatchee Cold Storage Corp., 4 and 5 story, basement, 168 x 270 ft., rein.-con., plain found., to Weldon Constr. Co., Seattle, $500,000.

Calif., El Monte—CREAMERY PLANT—Los Angeles Creamery Co., 2 story, 98 x 132 ft., rein.-con., El Monte St., to Carr & Bennett, c/o Los Angeles, Creamery, El Monte. $100,000.

Calif., Los Angeles — FACTORY — California Sanitary Canning Co., 1583 Industrial St., 1 story, 100,000 sq.ft. brick, steel, Long Beach Ave., to W. P. Neil Co., Inc., 4818 Loma Vista Ave.

Ont., Toronto—MILL—Canadian Paperboard Co., foot of Carlaw Ave., 1 story, basement 162 x 252 ft. factory, 1 story, basement, 70 x 320 ft. storage building, rein.-con., brick, steel, wood pile found., Commissioners St., to W. J. Trumble, 73 Adelaide St. W.

Buildings—Educational, Religious

Proposed Work

Mass., Lowell — PARISH HOUSE — St. Joseph's Roman Catholic Church, c/o H. P. Graves, archt., 40 Middlesex St., revised plans, 3 story, basement, brick, stone, plain found. Decatur Ave. $150,000. Noted July 5.

Mass., Marlboro—SCHOOLS—City, A. A. Martell, chn. comn., 18 Paris St., Hildreth and Bigelow Schools. $180,000. Engineer and architect not selected. Noted July 5.

Mass., Newton—SCHOOL—City, C. C. Chadwick, Pub. Bldg. Comr., City Hall, sketches by C. R. Greco, 11 Beacon St., Boston, 2 story, basement, brick, fireproof, plain found., Parkview Ave. near Cabot St. $150,000.

Mass., Norwood — HIGH SCHOOL — Town, L. Grant, supt. schools, plans by W. G. Upham, 700 Washington St., brick and steel, junior high school addition, Washington St. $175,000.

Mass., Somerville (br. Boston)—SCHOOL—City, L. M. Conwell, mayor, City Hall, school, Shore Dr., Purtian and Putnam Rds. $150,000 or more. Engineer and architect not selected.

Conn., Glastonbury — SCHOOL — Town School, Comn. Town Hall, plans 2 story, basement, school. $150,000.

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Buildings—Educational, Religious (Cont.)

N. J., Demarest — SCHOOL—Bd. Educ. Boro Hall, revised plans by E. Sibley, Bluff Rd ,Palisades, 2 story, basement, brick, steel, plain found. $150,000.

N. J., Dunellen—SCHOOL—Bd. Educ., Old New Market Rd., sketches by A. M. Korff, 203 Park Ave., Plainfield, 2 story, basement, brick, steel, plain found., Lincoln Ave. and 1st St., $150,000.

N. J., Hackensack—SCHOOL—Bd Educ., 355 State St., plans by A. E. Dore, 173 Main St., two 2 story, 50 x 120 ft. and 50 x 100 ft., brick, steel, wings, plain found., Grant St. and Fairmount Ave. $281,430. Noted July 19.

N. J., Princeton—DORMITORIES—C. C. Klauder, archt., 1429 Walnut St., Phila., Pa., soon lets contract one 4 story, basement, 135 x 152 ft. and other 3 story, basement, 78 x 154 ft., brick, steel, plain found., for Princeton University. $250,000.

N. J., Trenton—HIGH SCHOOL—Hamilton Twp. Comn., plans new High School. $500,000.

D. C., Wash.—SCHOOL—School Comrs. soon take bids elementary school, 19th and Columbia Rd., N. W., $500,000. A. L. Harris, municipal archt.

O., Parma (br. Cleveland)—SCHOOL—Bd. Educ. I. D. Siegfried, clk., election Nov. 6, $250,000, 2 story, basement, brick, steel, concrete, school. Fulton & Taylor, 8120 Euclid Ave., Cleveland, archts.

Mich., Coloma—SCHOOL—Bd. Educ., plans by Warren Holmes Powers Co., 112 East Allegan St., Lansing, 2 story, basement, 85 x 180 ft., rein.-con., brick, steel, plain found. $150,000.

Minn., St. Peter—DORMITORY—Gustavious Adolphius College, plans by W. M. Ingemann, 586 Endicott Bldg., St. Paul, 3 story, basement, 102 x 176 ft., rein.-con., brick, steel dormitory. $150,000.

Mo., St. Louis—SCHOOL—Bd. Educ., 911 Locust St., soon takes bids 3 story, 87 x 226 ft., rein.-con., brick, stone, Vanderventer St. between Shaw and Russell Blvds. $300,000. R. M. Milligan, c/o owner, architect and engineer.

Mo., St. Louis—SCHOOL—Mary Institute, Lake and Waterman Aves., preliminary plans rein.-con., brick, stone school (1st unit), Warson and Ladue Rds. near here. $300,000. Total $1,000,000.

Calif., Fullerton — CHURCH — Fullerton Methodist Episcopal Church soon lets contract 1 and part 2 story, rein.-con., steel, incl. auditorium, 800 seating capacity, Sunday school, assembly classroom, etc., Fullerton St. $150,000. Allison & Allison, 1005 Hibernian Bldg., Los Angeles, archts. Noted June 16, 1927.

Ont., Brantford—TECHNICAL SCHOOL—A. K. Bunnell, secy. Bd. Educ., 3 story, basement, 75 x 120 ft., brick, steel, concrete, Brant Ave., $185,000. Noted Mar. 22.

Ont., Windsor—INSTITUTE—Bd. Educ., plans by Cameron & Ralston, Bartlett Bldg., and soon take bids 3 story, basement, concrete, brick, steel, stone, incl. 20 rooms. $250,000.

Bids Desired

N. Y., Brooklyn—HIGH SCHOOL—Aug. 21, by W. C. Martin, archt. and Supt. School Buildings, Flatbush Ave. extension and Concord St., general contract P. S. 227, Edward B. Shallow Junior High School, 16th Ave., 65th to 66th Sts, for Bd. Educ., 500 Park Ave., New York. Noted July 19.

N. Y., Irondequoit—SCHOOL—Aug. 24, by Bd. Educ., Titus Ave. and Cooper Rd., rein.-con., stone, steel school, Rawlinson and Burwell Rds. Gordon & Kaelber, 311 Alexander St., Rochester, archts.

N. J., Boonton — ELEMENTARY and HIGH SCHOOL — Aug. 17, by Bd. Educ., 714 A Main St., 2 story, basement, elementary, 1 story, basement high school, 119 x 135 ft., brick, steel, addition, plain found. Maple and Lathrop Aves. $300,000. Noted Jan. 5, 1927.

N. J., Newark — CHURCH — Czecho-Slovak Lutheran Church of Holy Trinity, c/o F. Koenigsherger, archt., 48 Walnut St., bids about Oct. 1, 1 story, basement, brick, steel, plain found. 14th St. and Avon Ave. $150,000. Noted June 9.

La., Mansura — SCHOOL — Sept. 4, by Avoyelles Parish School Bd., Marksville, 2 story, rein.-con., brick, stone, rein.-con., found., school $150,000. Noted Aug. 9.

Ill., Elmhurst—SCHOOL ADDITION—School Dist. 45 and 46, c/o I. A. Stone, secy., 422 South Fairview, bids about Sept. 20, 2 story, basement, rein.-con. brick, stone

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addition to York high school, St. Charles Rd., $350,000. J. C. Llwellyn, 38 S. Dearborn St., Chicago, archt.

Ore., Le Grande—SCHOOL—State Bd. Educ., Salem, takes bids about Sept. 18, auditorium, gymnasium, administration, laboratory buildings, for State Normal School. $175,000. Bennes & Hertzog, Portland, archts.

Ore., Portland—CHURCH—M. H. Whitehouse, archt., Ry. Exch. Bldg., takes bids about Oct. 2, 2 story, basement, 100 x 150 ft., rein.-con., steel, plain found. Columbia and West Park Sts., for Christian Scientist Church. M. Holland, chn. building com. $200,000.

Calif., Los Angeles—CHURCH—Marston & Maybury archts., 25 South Euclid Ave., Pasadena, taking bids rein.-con., church, County Club Dr., for Wilshire Crest Presbyterian Church. $130,000 (ultimate $225,000 or more).

Contracts Awarded

Mass., Chicopee—SCHOOL—City, J. J. Desmond, supt., 3 story, basement, brick, stone high school, McKinstry and Chicopee Sts., to D. A. Sullivan & Son, 78 Main St., Northampton, Mass. $233,000.

Mass., Framingham—SCHOOLS—Town, J. J. Slattery, chn. comn., altering and constructing two 2 story, basement, brick, additions, plain found., to I. P. Rocheford, 465 Market St., Rockland. Est. $150,000. Noted July 26.

Mass., Roxbury (sta. Boston)—ADMINISTRATION — Simmons College, H. LaFavour, 300 Fenway St., 3½ story, basement, 65 x 135 ft., brick, stone, plain found., 360 Fenway St., Roxbury, to J. M. & C. J. Buckley, 183 Essex St. Est. $150,000. Noted July 12.

Conn., Groton—HIGH SCHOOL—Town, C. G. Barnum, chn. bldg., com., 2 story, basement, 140 x 145 ft., brick, plain found high school to A. F. Smiley Constr. Co., 202 Oak Hall Bldg., Pawtucket, R. I. Est. $225,000. Noted June 21.

Conn., New Haven—HIGH SCHOOL—Bd. Educ., 3 story, 160 x 180 ft., stone, brick and steel, junior high school to National Constr. Co., 152 Temple St. $729,340. Noted July 19.

N. J., Glen Ridge—SCHOOL—Bd. Educ., 235 Ridgewood Ave., general contract 2 story, basement, brick, steel, plain found. Linden Ave. and Hawthorne St., to Beyea Constr. Co., 973 Bway., Union City, $93,000. Noted June 21.

N. J., New Brunswick — CHURCH — Roman Catholic Church of St. Mary's of Mt. Virgin, P. Mugnano, pastor, Sanford St., 2 story, basement, 65 x 145 ft., brick, steel, plain found., 196 Sanford St., to J. P. Hallahan, Inc., 6092 Drexel Rd., Phila., Pa. Est. $150,000.

N. J., Roselle (Ind. br. Elizabeth)—HIGH SCHOOL—Bd. Educ., Chestnut St., general contract, altering and constructing 2 story, basement, 195 x 208 ft., brick, steel, addition, plain found. 6th Ave. and Chestnut St., to W. A. Jensen, 643 Linden Ave., Woodbridge, $318,000. Noted Aug. 2.

N. J., Somers Point—SCHOOL—School Bd., J. L. Bradley, secy., 2 story, basement, 58 x 150 ft., and 43 x 45 ft., rein.-con., brick, steel, plain found., to J. Champion, Ocean City, $126,362. Noted Apr. 19.

Pa., Altoona — SCHOOL — School Dist. E. N. Decker, secy., 1500 6th Ave., general contract Keith Junior High School, 3 story, basement, 200 x 250 ft., brick, steel, concrete, 13th St., to J. C. Snyder, Altoona. Est. $800,000. Noted June 21.

Pa., Ambridge—HIGH SCHOOL—School Dist. and W. W. Williams, archt., Fitzsimmons Bldg., Pittsburgh, 2 story, basement, brick, steel Junior High School, Duss Ave., to Cook-Anderson Co., Beaver $208,490. Noted July 19.

Pa., Pittsburgh — SCHOOL — Bd. Educ., Fulton Bldg., general contract 2 story, basement, addition to Brookline School, Woodburne Ave., to Construction Corp. of Pittsburgh, Smallman St. $159,945; heating, plumbing, to Weldon & Kelly Co., 1801 Locust St. $57,445. Noted June 28.

Pa., Tyrone — HIGH SCHOOL — School Dist. of Tyrone, general contract 2 story, basement, school, to J. Drass, Hollidaysburg. Est. $150,000.

Ala., Montgomery — HIGH SCHOOL — City, general contract 3 story, rein.-con., steel, brick, high school incl. gymnasium South Court St., to Algernon Blair, 11 South Lawrence St. $719,875.

Ill., Peoria—Y.M.C.A., 121 North Monroe St., general contract 5 story, basement, 90 x 170 ft., rein.-con., brick Y.M.C.A. to W. M. Allen Son & Co., Jefferson Bldg., $224,128. Noted Apr. 26.

Wis., Appleton—GYMNASIUM—Child & Smith, archts., 720 North Michigan Ave., Chicago, Ill., general contract 1 story, basement, 135 x 177 ft. gymnasium, to Appleton Constr. Co., I.O.O.F. Bldg.; structural steel, to Lakeside Bridge & Steel Co., North Milwaukee; reinforcing, to Concrete Engr. Co., Milwaukee; cut stone, to Illinois Cut Stone Co., Champaign, Ill.; lannon stone, to Harmon Bros., Lannon; tile roofing to Federal Cement Tile Co., 608 South Dearborn Ave., Chicago, Ill., for Lawrence College. Est. $250,000. Noted June 21.

Tex., Beaumont—HIGH SCHOOLS—Bd. Educ., c/o M. E. Moore, Weiss Bldg., junior high school on North St., and Royal St., each 2 story, 50 x 50 ft., incl. 1 story 55 x 108 ft. gymnasium, 1 story, 30 x 75 ft. cafeteria, brick, rein.-con. and stone, to H. Weber, Pearlstein Bldg., $157,094 est. $196,000. Noted June 28.

Calif., Burbank—HIGH SCHOOL—Burbank City High School Dist., Junior High School, to B. F. Farley, 143 South San Fernando Blvd., $131,889. Noted May 31.

Calif., Los Angeles—DORMITORY and CHAPEL—Loyola University, 3 story, basement, 50 x 245 ft., rein.-con., Palisades del Ray, to McNeil Co., 860 Avalon Blvd., $200.000.

Sask., Moosejaw—NORMAL SCHOOL—Dpt. Educ., Provincial Bldgs., Regina, 3 story, basement, 190 x 200 ft., incl. chemistry and physics laboratories, Elm St., to A. W. Cassidy & Co. Est. $350,000.

Federal Government Work

Proposed Work

Pa., Pittsburgh — LOCKKEEPERS — U. S. Engrs. Office, plans lockkeepers houses lock No. 6, Allegheny River.

D. C., Wash.—HANGAR—Spec. 5660—Bureau of Yards and Docks, Navy Dpt., plans hangar and railroad track at Naval Air Station, Sand Point.

N. C., Wilmington—STEEL BARGES—U. S. Engrs. Office, War Dpt., plans constructing, testing and delivering 2 steel barges.

Tenn., Memphis — STEEL BARGES — Mississippi River Comn., 1st and 2nd Dists, plans 82 Standard steel barges.

Ill., Chicago—DREDGING—U. S. Engrs. Office, War Dpt., plans dredging in Calumet Harbor and River.

California—DREDGING—U. S. Engrs. Office, San Francisco, War Dpt., plans clamshell dredging 26 ft. channel project San Joaquin River and Stockton Channel.

California — DREDGING — U. S. Engrs. Office, San Francisco, plans dredging in Sinsum Bay Channel.

California—ROAD—C. H. Sweetser, dist. engr., U. S. Bureau P. Rds., 451 Market St., San Francisco, rejected bids July 24, grading, graveling San Marcos Extension Project 56 Natl. Forest Highway. Will readvertise. Noted Aug. 2.

Bids Desired

N. Y., Brooklyn—STEAM ENGINE—Spec. 5630—Aug. 22, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing steam engine.

N. Y., Buffalo—DREDGING—Sept. 10, by U. S. Engineer's Office, Federal Bldg., dredging and rock excavation in Buffalo Harbor, Erie Co.

Va., Norfolk—DREDGING—Aug. 30, by U. S. Engineer Office, maintenance dredging in southern and western branches of Elizabeth River, Norfolk Harbor; adv. E. N.-R. Aug. 16.

N. C., Fort Bragg—BARRACKS—Sept. 6, at office Constructing Quartermaster, 1 field artillery Battalion Barracks and 8 field regimental barracks; adv. E. N.-R. Aug. 16. Noted July 26.

La., New Orleans—DREDGING—Sept. 4, (extended date) by U. S. Engineer Office, Poland and Dauphine Sts. dredging in Little Caillou Bayou; adv. E. N.-R. Aug. 16. Noted Aug. 9.

Fla., Pensacola — REFRIGERATING EQUIPMENT — Spec. 5595 — Aug. 22, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., refrigerating equipment at Naval Hospital, Naval Air Station. Noted Aug. 2.

Ia., Oskaloosa—POST OFFICE—Aug. 30, by Treas. Dpt. at office of Supervising Archt. Wash., D. C., remodeling and enlarging post office.

Federal Government Work (Continued)

Arkansas—EARTHWORK—Aug. 23, by Mississippi River Comn., 1st and 2nd Dists., McCall Bldg., Memphis, Tenn., constructing 616,500 cu.yd. earthwork in Lower St. Francis Levee and White River, Levee Dists. in Woodruff, Prairie and Monroe Counties.

Colorado—ROAD—Aug. 21, by Bureau P. Rds., Custom House, Denver, grading 4.35 mi. Sect. "B," Dolores-Rico Natl. Forest Highway Project. Montezuma Co. J. W. Johnson, Denver, dist. engr.

C. Z., Coco Solo—SEAPLANE HANGAR—Spec. 5661—Sept. 12, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., seaplane hangar.

Bids Received

Connecticut—DREDGING—U. S. Engineer Office, Providence, R. I., Aug. 3, dredging, 1,005,100 cu.yd. in Thames River from Morris & Cummings Dredging Co., 15 Moore St., New York, at $0.2174 per cu.yd. Noted July 5.

New Jersey — DREDGING — U. S. Engineers, 2nd Dist., Army Bldg., New York, N. Y., dredging in Hackensack River, from Atlantic Gulf & Pacific Co., 13 Park Row, New York, N. Y., at 0.2289 per cu.yd. Noted Aug. 2.

Neb., Omaha—WATER PIPING—Treas. Dpt. at office Supervising Archt., Wash., D. C., Aug. 6, water piping in Post Office, from Lynch Bros., Omaha, $7,450. Noted July 26.

Contracts Awarded

N. H., Portsmouth—AIR COMPRESSOR—Spec. 5619—Bureau Yards & Docks, Navy Dpt., Wash., D. C., reciprocating air compressor, to Hardie Tynes Mfg. Co., 800 North 28th St., Birmingham, Ala., $37,250. Noted Aug. 2.

N. Y., Buffalo—PIER—U. S. Engineer Office, concrete superstructure on Bird Island Pier, to F. G. Hanssel, Elliott Sq., $61,120. Noted Aug. 2.

Va., Fort Humphreys—BARRACK—At office Constructing Quartermaster 3 engineer company barrack buildings, to J. C. Curtis, Denbigh, Va., $196,617. Noted July 12.

La., New Orleans — POWER PLANT — U. S. Engineer Office, 4th Mississippi River Dist., complete diesel electric power plant, to Sulzer Bros. Diesel Engine Co., St. Louis, Mo., $21,740. Noted July 5.

Ind., Ft. Benjamin Harrison — BARRACKS — Constructing Quartermaster, 2 barracks, to Mead Constr. Co., 906 Lemcke Bldg., Indianapolis, $351,366. Noted Aug. 9.

Ill., Great Lakes—HEATING MAINS—Spec. 5487—Bureau Yards & Docks Navy Dpt., Wash., D. C., heating mains at Naval Training Station Hospital, to M. L. Miller & Co., 1744 Sheridan Rd., North Chicago, Ill., $29,805. Noted July 19.

Texas — DREDGING — U. S. Engineer Office, Galveston, dredging, constructing dam and levee in Brazos River, Diversion Channel, to Atlantic Gulf & Pacific Co., 15 Park Row, New York, N. Y. Noted May 10.

Unclassified

Proposed Work

AMUSEMENT PARK—**High Point, N. C.**—Amusement Park Co., S. Lampell, secy.-treasurer, 26 acre amusement park, incl. dance hall, swimming pool, etc., between High Point and Greensboro. $100,000.

GRAIN ELEVATOR—**Minneapolis, Minn.**—Archer-Daniels Midland Co., 29th Ave. S. E., Great Western R.R. tracks, plans rein.-con. grain elevator, incl. conveying equipment, Mississippi River at foot Washington Avenue Bridge. $35,000. Private plans.

AIRPORT — **Lincoln, Neb.** — City purchased site and plans airport near here. $100,000. D. L. Erickson, city engr.

SWIMMING POOL — **Donna, Tex.** — E. Benidict, Donna, rein.-con. swimming pool Pipers Lake, near here. $40,000. Private plans.

NATURAL GAS SYSTEM—**San Saba, Tex.**—Brown Gas Co., San Saba, installing natural gas system, incl. mains, laterals, etc. $35,000. Owner builds. Private plans.

AIRPORT—**Waco, Tex.**—City, c/o M. E. McAdams, mgr., soon takes bids airport. $75,000. Noted June 28.

UNDERPASS and PAVING—**Manzanola, Colo.** — Colorado State Hy. Dpt., L. D. Blauvelt, engr., and Atchison, Topeka & Santa Fe R.R. Co., H. W. Wagner, ch. engr., plans underpass and paving 1 mi. Santa Fe Trail, $60,000.

FISH HATCHERY—**Rye, Colo.**—R. G. Parvin, state comr. Denver, Pueblo. Chapter, Izaak Walton League and C. W. Porter, 2119 East Routt Ave., Pueblo joint owners, plan trout hatchery and retaining pond with 5,000,000 fish capacity.

BATH HOUSE and SWIMMING POOL—**Brea, Calif.**—City Council, taking bids 45 x 105 ft. bath house-swimming, 10 x 45 ft. stucco, wading pool.

AIRPORT—**Inglewood, Calif.**—City of Los Angeles, plans municipal airport, incl. hangars, administration building, slips lighting system, etc. Mine's Field, $300,000 appropriated.

WHARF—**San Pedro, Calif.**—Los Angeles Harbor Comn., 30 x 320 ft. creosoted wood piles and cedar decking, 20 x 66 ft. frame ramp, and 3 dolphins 8 piles each, G. F. Nicholson, Berth 90, San Pedro, engr.

FENDER SYSTEM—**San Pedro, Calif.**—City Los Angeles Harbor, Comn., plans fender system and replacement of mooring fastenings at Fish Harbor wharf, Terminal Island, G. F. Nicholson, Berth 90, San Pedro, engr.

LIGHTING SYSTEM—**Ventura, Calif.**—Ornamental street lighting system in various sections of city. To exceed $25,000.

Bids Desired

TEST BORINGS—**New York**—Aug. 28, by Bd. Water Supply, G. J. Gillespie, pres. Municipal Bldg., New York, test borings on land in Towns of Wawarsing and Gardiner, Ulster Co. and Fishkill, Dutchess Co.; adv. E. N.-R. Aug. 16.

SUBWAY—**Brooklyn, N. Y.**—Aug. 28, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, constructing Sect. 5-B, Route 109, Branches 1 and 2.

SUBWAY—**Brooklyn, N. Y.**—Aug. 31, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, constructing Sect. 5, Route 107, under Schermerhorn St. from Court to Bond Sts.

REFRIGERATION EQUIPMENT — **Rome, N. Y.** — Sept. 12, by Dpt. Mental Hygiene, Albany, refrigeration equipment for Rome State School; adv. E. N.-R. Aug. 16.

DREDGE HULL — **Syracuse, N. Y.** — Aug. 30, by Dpt. P. Wks., Div. Canals & Waterways, Albany steel dredge hull to Barge Canal Terminal. T. F. Farrell, comr.; adv. E. N.-R. Aug. 16.

GASOLINE PUMPING ENGINE, etc.—**Breckeville, O.** — Aug. 21, by Village 1 gasoline combination pumping engine, hose wagon, chemical 500 gal per mile.

STOKERS and FORCED DRAFT EQUIPMENT—**Cleveland, O.**—Aug. 17, by City, in market for stokers, forced draft equipment and laundry machinery.

GRADE CROSSINGS ELIMINATION—**Columbus, O.**—Aug. 25, by Norfolk & Western R.R., W. P. Wiltswe, ch. engr., Roanoke, Va., grade crossings elimination work inside and outside, incl. paving, etc., and the work relocating the tracks of Columbus, Indiana and Eastern Traction Co. Estimated total cost $4,371,000.

CAST IRON WATER PIPE—**Chicago, Ill.**—Aug. 20 by City, Room 406, City Hall, furnishing and delivering f. o. b. cars at various city pipe yards, 1,920 tons 8- and 12-in. c.i. water pipe. R. E. Wolfe, comr. P. Wks.

SNOW FENCE, IRON POSTS, etc.—**Hastings, Minn.**—Sept. 5, by J. M. Lengenfeld, aud. Dakota Co., 84,000 ft. slat snow fence, eight thousand and four hundred 6.5 ft. angle iron posts with anchors.

BOILER, etc.—**Sacramento, Calif.**—Aug. 22, by State Architect, Pub. Wks. Bldg., Sacramento, one 300 hp. water tube boiler and miscellaneous heating and gas house equipment, at Sonoma State Home, Eldridge, $30,000—one 250 hp. water tube boiler and miscellaneous heating and gas house equipment at Mendocino State Hospital, $25,000. G. B. McDougall, state archt.

WHARF—**Bagotville, Que.**—Aug. 23, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., repairing wharf.

WHARF—**St. Flavie, Que.**—Aug. 22, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., constructing wharf.

Contracts Awarded

GRADE CROSSING ELIMINATION—**New York**—Pub. Serv. Comn., Albany, elimination of Delaware & Hudson R.R. tracks in Bethlehem, Albany Co., to F. H. Clement & Co., Bethlehem, Pa. $86,067; and Penfield—Landing Rd. crossing of New York Central R.R., Brighton, Monroe Co., to William M. Ballard, Inc., Syracuse, $190,620. Noted May 5, 1927.

BORINGS—**Long Island City, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, borings on Route 108, along Northern Blvd. Bway., Queens Blvd. and Kew Gardens Rd., to Sprague & Henwood, 32 Pearl St., New York, $7,700. Noted July 19.

SUBWAY—**New York, N. Y.**—Bd. Transportation, 49 Lafayette St., Sect. 1-A, Route 8, of 14th Street Eastern Rapid Transit R.R., to D. C. Serber, 1123 Bway., $3,160,000. Noted Aug. 2.

STATION FINISH—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., station finish for 175th, 181st, 190th Street-Overlook Terrace Stations, to Charles Meads & Co., 217 West 14th St. $605,000. Noted July 19.

HIGH TENSION LINE—**Anderson, Ind.**—Indiana Genl. Service Co., Muncie, high tension electric line, to Hoosier Eng. Co., 325 South Jersey St., Indianapolis, $350,000.

GRAIN ELEVATOR — **Omaha, Neb.** — Illinois Central Ry., A. F. Blaess, ch. engr., Chicago, Ill. 24-tank, rein.-con., grain elevator, 192 ft. high, 1,200,000 bu. capacity, to L. A. Stinson Co., 332 South La Salle St., Chicago, Ill. $500,000.

CULVERTS, etc.—**Missouri**—See "Railways."

TRAIN SHED—**St. Louis, Mo.**—See "Buildings Commercial."

COLORED LIGHT SIGNAL SYSTEM—**Texas—See** "Railways."

OIL PIPE LINE—**Texas**—Texas Pipe Line Co., (Texas Co., 720 San Jacinto St., Houston, parent organization), 33 mi. 8 in. welded oil pipe line from Dallas to Waxahachie, to Sheenan Bros., Waxahachie. $90,000.

PIPE LINE—**Pecos, Tex.**—West Texas Gas Co., Amarillo, laying gas pipe line, incl. mains, distributing system $45,000. Owner builds. Private plans.

PIER—**Goderich, Ont.**—Dpt. P. Wks., Ottawa, constructing north pier, to Jackson Constr. Co., Sorel, Que., $30,000.

TRACKWORK, GRADING, etc.—**Hamilton, Ont.**—Canadian Natl. Rys., New Union Sta., Toronto, T. T. Irving, ch. engr., trackwork, grading, culverts, bridges in connection with new station, to R. C. Huffman Constr. Co., 331 Bay St., Toronto, $400,000. Noted Jan. 5. Under "Buildings Commercial."

Materials

Bids Desired

ASPHALTIC SAND—**Brooklyn, N. Y.**—Aug. 22, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, 10,000 cu.yd. asphalt sand and 4,500 cu.yd. 1½ in. coarse aggregate, either sand or broken stone.

TIES AND TIMBER—**New York, N. Y.**—Aug. 24, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., supply of treated ties and untreated ties and contact rail protection boards (No. 9) for use in constructing rapid transit R.R.

STEEL—**Phila., Pa.**—Aug. 23, by C. E. Walsh, purch. agt. for Pennsylvania R.R. Co., 15 North 32nd St., steel for sub-station structure, Contr. 67.

STEEL PLATES, SHAPES or BARS—**Phila., Pa.**—Aug. 21, by C. E. Walsh, purch. agt. for Pennsylvania R.R. Co., 15 North 32nd St., steel plates, shapers or bars, Contr. 66.

SNOW FENCE and STEEL POSTS—**Willmar, Minn.**—Aug. 24, by J. W. Haines, aud. Kandiyohi Co., 50,000 ft. snow fence and 5,500 steel fence posts.

Bids Received

STREET SIGN BRACKETS and PIPE—**Milwaukee, Wis.** — Central Bd. of Purchases, J. W. Nicholson, purch. agt., 600 sign brackets to Werra Aluminum Fdry. Co., Waukesha, $1,392—750 tons 6 in. Class C water pipe, to United States Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd., Chicago, Ill., $31,125—950 tons 8 in. and 75 tons 12 in., to Clay-Morgan Pipe & Fdry. Co., $40,138 and $3,169 respectively—225 tons 16 in., to A merican Cast Iron Pipe Co., 38 South Dearborn St., Chicago, Ill., $9,506. Grand total $85,330.

See proposal advertising on page 142

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UNIT PRICES

Summaries of bids gathered by field correspondents or contributed by readers

Sewer—Louisville, Ky.

Commissioners of Sewerage, Board of Trade Building, opened bids Mar. 16, Whitney Ave.-Berry Blvd. Sewer, Sect. "A," Contract 37. Involves 3,177 lin.ft. 8 ft. x 6 ft. 6 in. rectangular reinforced-concrete sewer and 2,624 lin.ft. 6 ft. x 6 ft. 8 in. semi-elliptical reinforced-concrete sewer. Sixteen bids were submitted, difference between low and average 21 per cent. Lowest four and highest bidders are: (A) Cannell-Conrad Constr. Co., Todd Bldg., (awarded contract); (B) L. B. Fugitt, Chicago, Ill.; (C) Henry Bickel Co.; (D) Longley & Co., Inc.; (E) Bates & Rogers Constr. Co.

	A	B	C	D	E
3,173 lin.ft. earth excavation and backfill	$7.00	$10.00	$10.90	$10.00	$22.10
2,624 lin.ft. earth excavation and backfill	7.50	9.00	8.65	12.00	19.50
Earth excavation and backfill (lump sum)	111.75	200.00	140.00	150.00	545.00
Earth excavation and backfill (lump sum)	669.60	800.00	1,164.00	1,500.00	1,560.00
Earth excavation and backfill (lump sum)	150.00	300.00	300.00	300.00	600.00
Earth excavation and backfill (lump sum)	240.00	250.00	425.00	350.00	760.00
3,227 cu.yd. class "A" concrete masonry	15.64	12.00	15.00	16.00	20.10
1,376 cu.yd. class "A" concrete masonry	19.00	15.50	18.00	17.00	23.60
510 cu.yd. class "A" concrete masonry	22.00	17.50	25.00	25.00	27.70
60 cu.yd. class "C" concrete masonry	14.00	8.25	16.00	20.00	29.45
6 cu.yd. brick masonry	25.00	22.00	30.00	40.00	90.00
12 sq.yd. vit. brick lining of inverts	5.00	3.75	5.00	4.00	5.25
787,300 lb. reinforcing bars	.038	.044	.04	.045	.0525
49,400 lb. reinforcing bars	.045	.045	.045	.06	.0525
50 cu.yd. earth excavation below sewer	2.00	1.35	3.00	4.00	5.00
50 cu.yd. gravel refill	3.00	2.70	3.00	4.00	6.00
A. S. T. M. clay pipe, 24 in. or smaller, $3,876.92	45%	55%	50%	50%	45%
Laying with Cement Mortar:					
460 lin.ft. 6 in.	.25	.30	.25	.25	.40
10 lin.ft. 8 in.	.25	.35	.35	.30	.50
10 lin.ft. 10 in.	.25	.35	.36	.40	.65
10 lin.ft. 12 in.	.25	.40	.37	.50	.75
379 lin.ft. 15 in.	1.00	.52	.38	.60	.90
426 lin.ft. 18 in.	1.25	.58	.45	.70	.95
16 lin.ft. 21 in.	1.00	.60	.55	1.00	1.15
10 lin.ft. 24 in.	1.00	.65	.60	1.50	1.30
500 lin.ft. 6-in. underdrain	.40	.87	.68	.40	.65
500 lin.ft. 8 in. underdrain	.50	1.05	.88	.60	.85
10 M. ft. B. M. sheeting, bracing	40.00	35.00	35.00	5.00	55.00
2,700 sq.yd. macadam pavement	1.00	1.50	1.00	1.00	2.10
7 sq.yd. concrete pavement	3.60	3.45	3.00	2.50	4.25
Cleaning up (lump sum)	500.00	2,000.00	100.00	10.00	1,300.00
Net totals	$171,604	$173,349	$186,816	$199,472	$294,478
Progress and completion, $25.00 per day	3,500	3,000	6,000	4,000	6,000
Number of days	140	120	240	160	24
Gross totals	$175,104	$176,349	$192,816	$203,472	$300,478

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Sewer— Detroit, Mich.

Ten bids were opened by Department of Public Works, Mar. 5, for sewer in Calvary Ave. from Fort to Christiancy St., difference between low and average 27 per cent. Lowest four and highest bidders are: (A) Blanck & Gargaro, 40 Seven Mile Rd., E., (awarded contract); (B) G. R. Cooke; (C) Department of Public Works, Construction Division; (D) S. A. Healy; (E) Oakwood Construction Co.

	A	B	C	D	E
2,346 lin.ft. 12 ft. cylindrical sewer	$58.00	$23.00	$18.00	$125.00	$125.00
17 ft., 6 ft. 3 in. connection	65.00	30.00	25.00	200.00	75.00
31 ft., 5 ft. 6 in. connection	65.00	32.00	25.00	200.00	60.00
2 standard manholes	70.00	25.00	20.00	150.00	300.00
Totals	$137,267	$154,175	$154,209	$165,565	$296,985

Engineering News-Record, Issue of August 16, 1928

Dam—Pittsburgh, Pa.

Bids were opened by U. S. Engineer Office, June 11, constructing Deadman Island Dam, Ohio River, from (A) Dravo Contracting Co., Dravo Bldg., (awarded contract); (B) U. G. I. Contracting Co., 1401 Arch St., Philadelphia. Unit bids follow:

	A	B
1,585 lin.ft. cofferdam	$173.00	$210.00
170,936 cu.yd. common excav.	.40	1.00
5,502 cu.yd. rock excav.	6.00	7.00
16,582 sq.ft. rock channeling	1.00	2.00
65,360 cu.yd. conc.	9.00	10.00
134 cu.yd. conc. paving	15.00	20.00
9,833 cu.yd. fill	.30	.90
102 cu.yd. riprap	8.00	8.00
697 cu.yd. dorrick stone	6.00	8.00
1,428 lin.ft. round piles, timber	.80	1.00
1,544 sq.ft. sheet piles, steel	1.50	2.00
1,948 lb. structural steel	.15	.12
51 lb. iron castings	.40	.12
763 lin.ft. 2-2½ in. steel pipe	1.00	1.00
Totals	$994,935	$1,252,534

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